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TELEPHONE NUMBER: 3617 CENTRAL (3 lines).

Established in ENGLAND, 1859

Registered as a Newspaper. Published Weekly at 42 CANNON STREET, LONDON, E.C. 4.

TELEGRAPHIC ADDRESS: "CHEMICUS, CANNON, LONDON." [Charged as two words only.]

Established in AUSTRALASIA, 1885

No. 2,001. Vol. XC. JUNE 1, 1918.

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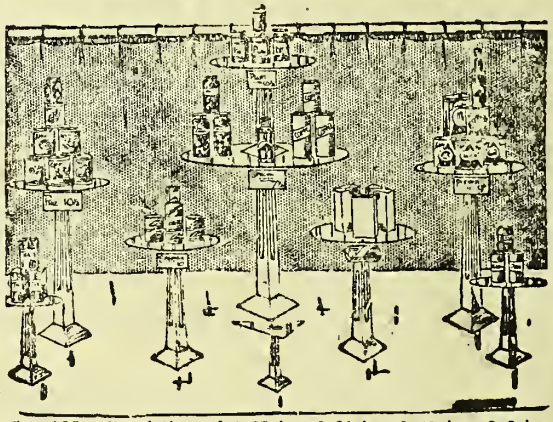

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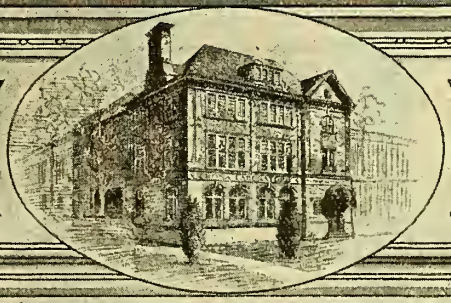

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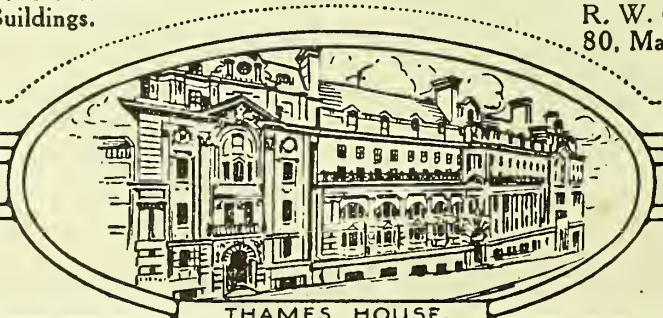
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OLDFIELD, PATTINSON & Co.

TELEGRAMS: "OPIUM MANCHESTER."
TELEPHONES: CITY 984 & 4038.

A RELIABLE HOUSE FOR

**All Pharmaceutical Preparations**

CONCENTRATED WATERS.
CONCENTRATED INFUSIONS.

**Syr. Glycerophosph. Co.**

LIQUID EXTRACTS.
LEVIGATED OINTMENTS.
ESSENTIAL OILS.

**"Silver Churn" Dairy Specialities.**

**Special Prices to Large Buyers. Write for List.**

MANCHESTER.

# THE DIGESTIVE FERMENTS CO.

DETROIT, U.S.A.

## BACTOPEPTONE

**Acknowledged to be the best and most reliable Peptone for Bacteriological use.**

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| DIASTASE | HÆMOGLOBIN |
| PANCREATIN | OX GALL |
| PEPSIN | SODIUM CHOLATE |
| TRYPSIN | ,, GLYCOCHOLATE |

ORGANO-THERAPEUTIC PRODUCTS
OVARIAN, THYMUS & THYROID SUBSTANCES, &c.

*Address inquiries, orders, &c., to*

**MAY & BAKER, LTD., BATTERSEA, LONDON, S.W.**

# ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE YET PRODUCED

IS MANUFACTURED BY

## THE PHARMACEUTICAL LANOLINE CO.

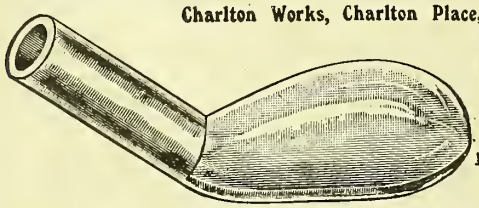
**7 Carnwath Road, Fulham, London, S.W.**

WHO INVITE INQUIRIES.

**We are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in England. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides we also have varied stocks of Glass Bottles.** *Send us your inquiries and ask for our Stock List.*

# JULES LANG & SON

**Charlton Works, Charlton Place, ISLINGTON, LONDON, N.**



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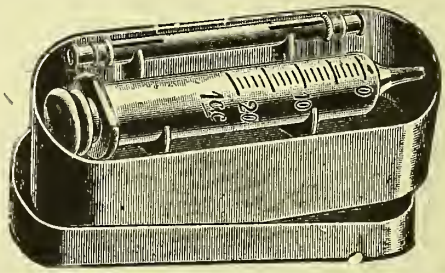

**Telegrams: "Assorted, Nordo, London." Telephones: North 1344.**

# Important Notice

## INCREASE OF PROFIT TO CHEMISTS

As stated in the Protected List of THE P.A.T.A. the MINIMUM RETAIL SELLING PRICE of

# Kutnow's Powder

IS NOW 2/9 PER BOTTLE (FACE VALUE)

This yields a considerable increase of profit to chemists, nevertheless Messrs. KUTNOW are keeping to their wholesale price, as hitherto, in spite of the enormous rises in the cost of all the materials, bottles and everything else in connection with the manufacture of KUTNOW'S POWDER. In view of the above facts, Messrs. KUTNOW trust that both the wholesale and retail trade will co-operate with them in creating a still greater demand for KUTNOW'S POWDER, and that no substitutes for KUTNOW'S POWDER will be offered to the public in future.

## Replenish Your Stock

The public want the best in business, the best in art, the best in literature, the best in everything that lies within their means. The successful business man caters to supply what the public demand. Kutnow's Powder is one of the best morning aperients extant. It is in constant demand all over the world, and no remedy holds a firmer position in the estimation of the public and the medical profession. A window show of Kutnow's Powder is always remunerative. It attracts attention and sells itself without any trouble.

SEND THIS COUPON FOR SHOWCARDS FREE OF CHARGE

*To* S. KUTNOW & CO., Ld.,
41 Farringdon Road, London, E.C. 1.

Please send me Showcards, carriage paid.

NAME.....

ADDRESS.....

.....

"Chemist & Druggist," June 1, 1918.

S. KUTNOW & CO., Ld., 41 Farringdon Road, London, E.C. 1.

# SACCHARIN 550

COUMARIN VANILLIN HELIOTROPIN

## GRANT, HUGHES & CO.

21 Mincing Lane - LONDON, E.C. 3.

Telephone—Avenue 4567. Teleg. Address—"Nitroform London."

# VIKING CHEESE RENNET

***COMMANDS THE LARGEST SALE IN THE BRITISH EMPIRE.***

Viking Rennet is guaranteed to be made from Calf Vells only, and does not contain Pepsin or other substitute.

**Note our Prices for Pure Rennet in comparison with other coagulates.**

| WHOLESALE. | | RETAIL. | |
|---|---|---|---|
| 31/- per | gallon tin | 36/- per | gallon tin |
| 16/6 „ | ½-gallon tin | 19/- „ | ½-gallon tin |
| 8/3 „ | quart jar | 9/9 „ | quart jar |
| 4/3 „ | pint jar | 5/- „ | pint jar |
| 2/3 „ | ½-pint jar | 2/9 „ | ½-pint jar |

These prices include containers and carriage paid. Awarded Silver Medal by the British Dairy Farmers' Association. VIKING ESSENCE OF RENNET, JUNKET TABLETS AND POWDER. Prices on application.

Sole Manufacturers: **THE VIKING RENNET CO. Ltd., 19 Clapton Square, London, E. 5.**

# THE FRENCH NATURAL MINERAL — WATER. —

# VICHY-CÉLESTINS

## DISORDERS of the LIVER, GOUT,

## Diabetes, Rheumatism, Gravel, &c.

## VICHY-ETAT PASTILLES.

**Two or three Pastilles after each meal facilitate Digestion.**

**CAUTION.**—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

**PROPERTY OF THE FRENCH GOVERNMENT.**

# Recommend it for Convalescence

Doctors prescribe Turtle Soup in all cases where the patient cannot retain any other nutriment.

**FREEMANS**

## REAL TURTLE EXTRACT

is the real meat of selected West Indian Turtles, compressed into handy tablets; it provides all the delicacy and nourishment of soup made from fresh killed turtles, and is quickly prepared as it requires nothing but boiling water.

For hospitals, nursing and convalescent homes it can be strongly recommended as the best, safest and handiest invigorator obtainable.

The trade terms are particularly favourable, and particulars can be obtained by writing to

**The Watford Mfg. Co. Ltd.**
**Delectaland, WATFORD**

Freemans FOOD PRODUCTS Watford S.A.A.

# "GLACIALINE"

## The Original and Most Effective Food Preservative

The only Food Preservative that has ever been publicly awarded Gold and Silver Medals and Certificates of Merit for Purity and Harmlessness.

TRADE MARK

By Royal — ANTITROPIC Co. — TRADE — ESTD — GLACIALINE — A.D. 1876 — MARK — WASTE·NOT·WANT·NOT — Letters Patent

REGISTERED.

Full directions for use enclosed in every package.
Packed in 6d and 2/- Packets and 2/3 Canisters.
FAVOURABLE TRADE TERMS UPON APPLICATION TO THE
*Sole Proprietors and Manufacturers:*

**BURTON, BAKER & CO.**
**16 EASTCHEAP, E.C. 3.**

# THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK

# "FRAME FOOD"

**ON P.A.T.A. LIST.** *SHOWCARDS FREE.*

**FRAME FOOD CO., Standen Road, Southfields, London.**

# Dr. Allinson's Food Preparations

**FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.**

**Food for Babies, Prepared Barley, N. F. Cocoa, Biscuits, Wholemeal, &c.**

**See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.**

***SPECIAL NOTICE.***

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

**NATURAL FOOD COMPANY, Ltd.,**
**Cambridge Road, Bethnal Green, LONDON, E.**

*All advertising matter—Booklets, Window Displays Showcards, etc., free on application.*

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

# SPRING'S

**PACKED TABLE**

# HONEY

*All Varieties i.e., "White Clover," "Heather," etc.*

**SPRING & CO., Ltd., BRIGG, LINCS.**

(The Largest Collectors and Packers of Honey in Gt. Britain)

*Limited Supplies Available.*

# "FARRISOL" White Medicinal Oil, B.P.

ENGLISH MADE

*(PARAFFINUM LIQUIDUM).*

## Guaranteed to exactly conform to B.P. tests.

RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES.
ABSOLUTELY ODOURLESS AND TASTELESS.

Consumers should insist upon a thorough test, as there are so-called white oils on the market which lack the pure ingredients and the special treatment absolutely essential to produce the B.P. article. By purchasing from Charles Farris you secure the guarantee of an old-established House and complete satisfaction.

Bees Wax, Spermaceti, Tallow, Paraffin Wax, Candles, Lubricating Oils. Insulating Fluid and Wax. Refiner of Oils for the fine Clockwork of Telegraphic Instruments. OIL REFINER TO H.M. GOVERNMENT.

## Large Stocks always Ready for Immediate Delivery.

The only actual Manufacturing Wax Chandler and Oil Refiner in the City of London.

## CHARLES FARRIS, 71 BISHOPSGATE, LONDON, E.C.

*Works*—HELMET COURT, BISHOPSGATE, E.C.

*Warehouses & Stores*—91 & 93 BISHOPSGATE, and 12 WORMWOOD STREET, E.C.

Telephones—London Wall 9397 & 9398. Telegrams—"Waxiness, Led, London."

TELEPHONE: CITY 7 PRIVATE BRANCH EXCHANGE
TELEGRAMS: ELEVEN CENT LONDON

S·MAW·SON & SONS LTD
7/12 ALDERSGATE STREET
LONDON
ENGLAND

CABLES: ELEVEN LONDON
CODE: A:B:C 4TH & 5TH EDITION

# Maw's Page.

NUMBER 346. JUNE 1, 1918

## AN ENGLISH MADE ENEMA at 33/- DOZ.

UNPRECEDENTED VALUE.

An enema you can guarantee for 12 months from date of supply, and sell at a popular price :—Maw's "Durbar" Enema. An enema of English make, supplied black with enamel finish or red with velvet finish—Maw's "Durbar" Enema. Price including elastic gum vaginal pipe and leather shield in attractive box, 33/- doz. Usual discount.

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS.

## Alteration of Prices to Retail Distributors of

# JOHN BOND'S

# "CRYSTAL PALACE" MARKING INK

IT PAYS TO PUSH IT

6d. size, 3/6 per dozen. Minimum protected selling price, 5d.
1/- „ 6/6 „ „ „ „ „ „ 9d.

This will show retailers a still larger profit on the 6d. size of no less than 43%. The rate of Profit on the 1/- size will remain the same.

43% Minimum Protected Profit

Minimum order at Wholesale rates, one Cross of 6d. size amounting to 37/- or assorted order to same value; 1/- size 68/- per Cross. Carriage paid on parcels of £5 and upwards. Smaller quantities should be ordered through any of the Wholesale Houses. When ordering, please specify if Heat or Non-heat is required.

¶ A good assured minimum profit on *this* Marking Ink which will always make new customers. ¶ Compare with what you are paying for other makes, and NOTE the difference. ¶ Retailers need not fear with *this* make competition by cutters.

Manufactory :—75 SOUTHGATE ROAD, LONDON, N.1.



# DIADEM

## Vanishing Cream

a cream of rare purity and charm, put up in novel white globes which have an irresistible appeal and packed in dainty boxes in Robartes' attractive style. Handsome profits for you in selling.

## Face Powder

possessed of the elusive fragrance of Diadem Cream, adheres readily to the skin. Made in Blanche, Naturelle, Rachel, and Rosetints. Packed in large artistic boxes, in the distinctive Robartes style and colouring. A sure seller.

### TRADE TERMS

| | | |
|---|---|---|
| Diadem Cream | Advertised and Minimum Retail Price - 3/9<br>Trade per doz. 30/- | Window and Counter Materials free on request. Write for particulars. |
| Diadem Powder | Advertised and Minimum Retail Price - 2/6<br>Trade per doz. 20/- | |

**SPECIAL NOTICE AND OFFER TO THE TRADE.**

Each jar of Diadem Cream contains the following notice:—

"On returning 6 of these empty Diadem jars to any Chemist or Hairdresser in the United Kingdom, a new 3/9 size jar will be given you free in exchange."

Upon any of our trade customers therefore returning to us 6 of these empty jars, carriage paid, we will immediately forward in return, post free, 2 (3/9 size) jars of Diadem Vanishing Cream.

**ROBARTES, LTD., 128 Jermyn St., London, S.W.1**

**DECOLTENE** The liquid hair remover. The intelligent depilatory. Simple, safe and effective. Pleasant and harmless. In valuable during the décolleté vogue. Daintily packed.

**Dinkie** The Dainty Deodorant. An attractive line that enjoys good sales. A greaseless Cream that takes the odour out of perspiration. Daintily packed in opal jars.

**TRADE TERMS.** DECOLTENE. Advertised and min. Retail price 3/9 Trade 30/- per doz. DINKIE. Advertised and min. Retail price 2/6 Trade 20/- per doz. Particulars and Showcards on request.

FINEST QUALITY *Norwegian* MEDICINAL NON-FREEZING

ISAAC SPENCER & CO., (ABERDEEN) LTD.,
ISCO TRADE MARK
ABERDEEN, SCOTLAND.

For the ATTENTION of the DISCRIMINATING CHEMIST

LABELS IN BLACK AND COLOUR, BANDS, SEALS, ETC.

THE Distinctive Quality of our Printing & Stationery for Chemists & Druggists has received universal approval for more than —— 90 YEARS. ——

DESIGNS FOR PERFUMERY AND ALL OTHER FANCY PREPARATIONS.

SUTTLEY & SILVERLOCK, LIMD

CHEMISTS & GENERAL LABEL PRINTERS,
BLACKFRIARS, LONDON, S.E.

# DR. ROOKE'S "SOLAR ELIXIR."

**(TABLET FORM.)**

At the request of numerous Patrons we have decided to prepare this well-known medicine in compressed tablet form.

**Packed in One Size Only, P.A.T.A. Minimum. Retail 2/9. Wholesale 27/- per doz.**
**Less 10% for Orders £5 in value, Carriage Paid (cash in 14 days).**

As DR. ROOKE'S "SOLAR ELIXIR" TABLETS will have the advantage of judicious publicity in the leading National journals, a large demand is anticipated.

**SEND YOUR STOCK ORDER NOW.**

*Sole Proprietors—*

**DR. CHARLES ROOKE, LTD. - - LEEDS.**

**LOVELY EYELASHES** *(A BRITISH SCIENTIFIC TRIUMPH)*

**P.A.T.A.**
**Face Value Only, 1/, 1/9 & 3/6**
Tram Advts. round London, and at Leeds, Leicester, Coventry and Edinburgh.

grown and kept so by the application once daily of the colourless harmless eyelash food. Beneficial to the eyes

# CURLASH CREAM

**Extensively and continuously advertised.**

*Endorsed by Mrs. Martin Harvey, Miss Nancy Price, Miss D. Tree, Miss Elizabeth Risdon, and hundreds of other ladies of discrimination.*

Testimonials received daily. Stocked by Butler & Crispe, Sangers, and other Wholesalers. Try a dozen 1/- size in your next wholesale order. We will supply you with dummies and showcards for small window display. **MAKES CONSTANT CUSTOMERS.**

**THE D. BALDWIN MFG. CO., LTD., Wigmore St., London, W. 1.**

# KOLENE

**FOR THE HAIR**

*is sold in all parts of the United Kingdom.*

*Sales run into millions annually.*

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|---|---|---|---|
| 2d. Boxes | Kolene | 16/- | per grs. |
| 4d. ,, | ,, | 32/- | ,, |
| 1 oz. Jars | ,, | 48/- | ,, |
| 2 oz. ,, | ,, | 72 - | ,, |
| 3 oz. ,, | ,, | 96/- | ,, |

These prices are strictly net.

**KOLENE**
**has a rapidly increasing SALE.**

*Ask for one of our travellers to call, or order direct from*

**The KOLENE CO., 206 Stewart's Rd., London, S.W.**

# "LESCOL" FLORAL PERFUMES

## NOTICE !

*We strongly advise Chemists before purchasing their Toilet Specialities to send us particulars of their requirements, and complete Price List will be sent, or one of our representatives will call with full set of samples when in their vicinity.*

We are holding a large stock at remunerative prices

**LESCOL PERFUMERY CO.,** Lomond Grove, Camberwell Green, LONDON, S.E. 5.

Telephone: 810 HOP. (Proprietors: The London Essence Co.) Telegrams: "VANILLIN, CAMBER, LONDON."

1868
TO
1918

# "O thou that hast the most welcome service of the feet." —*Sophocles.*

We pay carriage on Assorted Dry Sundries & Packed Goods orders to the value of 50/- to any part of Gt. Britain and Ireland.

'Welcome' is a correct description of the service the feet give after they have felt the beneficial effects of a good Foot Tablet.

After a hard day's work there is no more grateful and comforting experience than the luxury of a hot foot bath, and a Foot Tablet dissolved in the water enables one to forget about the feet on the following day.

**AYRTON, SAUNDERS & CO. LTD**
**LIVERPOOL**

## ANTISEPTIC FOOT TABLETS

30 Tablets in a smartly decorated tin, 12 tins in an outer, and a good Card with each order. Name and address on 6 doz.

Per dozen tins - - 4/6; Per gross - - 51/-

# Important to the Trade

**Pomeroy Skin Food can be obtained as before—**

**there never has been any real difficulty.**

Several letters—accompanied by orders—have been received from ladies who state they were informed by their Chemists that Pomeroy Skin Food was not now obtainable.

We do not know how this impression has got abroad, but it is quite erroneous.

Pomeroy Skin Food and most other Pomeroy preparations can be obtained from Sundries Houses and direct, as before. Any trifling delay—and when it occurs it is trifling—can be put down to the vastly increased demand and the extra time taken nowadays in transit.

**Mrs. POMEROY LTD.,**
**115 Harwood Rd., Walham Green**
**London, S.W.**

# BRITISH MADE
# TIN FOIL

**Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, foodstuffs, etc. In sheets or reels—large or small quantities.**

**Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.**

*Manufactured by*

**Venesta Ltd.**
**1, Great Tower St. EC.**
**London England**

LABORATORY
OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.
LONDON AGENTS:
WILCOX, JOZEAU & Co., 49, Haymarket, S. W.

CHAPOTEAUT'S
CAPSULES of
PHOSPHOGLYCERATE
of LIME.
THE BEST TONIC FOR
FORTIFYING AND BUILDING UP
THE NERVOUS SYSTEM.
*Sold by all Chemists.*
Wholesale: 8, Rue Vivienne,
PARIS

MORRHUOL CHAPOTEAUT

CAPSULES
MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.
*It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.*
SOLD BY ALL DRUGGISTS.

CHANDRON'S
DROPS
(Gouttes des Colonies)
A harmless antiseptic
preventative against CHOLERA
FERMENTATION - INDIGESTION
& other intestinal disturbances.
SOLD BY ALL CHEMISTS

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

# The Evan Williams' Original Henna Shampoo

APPEALS ESPECIALLY TO WOMAN—THE GREATEST SPENDING FACTOR OF THIS COUNTRY.

Put Evan Williams' Original Henna Shampoo on your counter and watch how quickly it sells, this is because our advertisements continually bring this dainty and perfect shampoo before ladies' notice, and once a sale is secured, its perfection ensures a steady permanent demand.

Ladies repeatedly write us asking for names of local agents, and it will pay you to stock this quick-selling proposition. Our Special Campaign of Publicity is now in full swing—this includes Press, Postal and Window Advertising, and aims to attract Ladies to your establishment. Write to-day for full particulars.

Our supplies having been RATIONED, we are compelled to make the acceptance of orders subject to the condition that, should we be unable to execute an order in its entirety, customers will accept a proportionate distribution of available stocks.

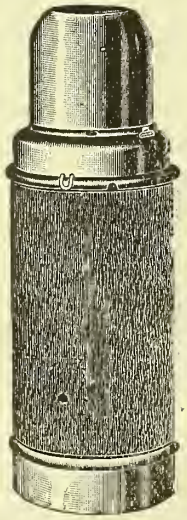
EVAN-WILLIAM'S ORIGINAL Henna Shampoo

The Evan Williams Co. Ltd., 18 & 18a Ogle Street, Foley Street, London, W. 1. (2)

TRADE MARK.

PERFECTUM SERIES

SURGICAL DRESSINGS AND CHEMISTS' SUNDRIES



## VACUUM FLASK

HANDSOMELY FINISHED WITH NICKEL PLATED CAPS & BASES

BROWN JAPANNED BODIES

SMALL CONSIGNMENT JUST TO HAND, WHICH WE NOW OFFER

ARTHUR BERTON Ltd.
15/17 Worship Street,
LONDON, E.C. 2.

Phones:
LONDON WALL 507;
CITY 998.

# ANZORA

CREAM and ANZORA VIOLA will be going ahead by leaps and bounds during the coming season.

**REMEMBER—**
Anzora is becoming more popular daily, and—it assures you Good Profit. It

## MASTERS THE HAIR.

TRADE TERMS.
11/6 per doz., retailed at 18/-;
19/6 per doz., retailed at 30/-.

DISPLAY CARDS and CUT-OUTS FREE.

ANZORA HAIR CREAM

Anzora Perfumery Co.,
28, 32, 34 Willesden Lane, London, N.W. 6.

The Finest Quality Aerated Waters are made only with the Finest Quality ESSENCES

# Boake Roberts'

Soluble Essences are of the finest quality and being extremely concentrated are most economical

| | |
|---|---|
| **Lemon** | **Ginger Ale** |
| **Orange** | **Stone Ginger (Cloudy)** |
| **Ginger** | **Clear Ginger Beer** |
| **Raspberry** | **Kola Champagne** |
| **Strawberry** | **Lime Juice and Soda** |
| **Pineapple** | **Lemon Squash Vanilla** |

A. Boake Roberts & Co. Ltd.
Stratford, London.

Every Soldier on home or active service, every Sailor in the Navy or Merchant Service, every fighting man on land or sea, in the air or under the ocean, needs a

# THERMOS

many times **every** day. Are you doing your share in supplying this immense demand? If not, you are losing business and profits. It is no platitude to say that **THERMOS** sells itself; it is a fundamental truth. It is a psychological force you can put into motion to increase your turnover if you feature the genuine **THERMOS** in your windows.

*CATALOGUES, ETC., ON REQUEST.*

**THERMOS, LTD.**
Byron House,
2 & 4 Finsbury Street,
LONDON, E.C.2.

# Veldt Cream

LABEL-TITLE. COPYRIGHT

A WHITE INSEPARABLE ABSORBENT CREAM.

Guaranteed absolutely free from Glucose, Benzoin or Tragacanth, so **cannot dry up** the skin.

**GET CERTAIN REPEATS** with the emollient which has no equal. The skin whitener without rival!

**PAYS 40% ON MONTHLY BONUS TERMS.**

| *Retail.* | *Size.* | *Price.* | *Free Bonus* | |
|---|---|---|---|---|
| 3½d. | 1 oz. bots. | 36/- per gross | 2 doz. 9d. | on quantities named or pro rata with each gross. |
| 9d. | 3 oz. bots. | 7/- per doz. | 2 doz. 9d. | with each 6 doz. |
| 1/3 | 6 oz. bots. | 12/- per doz. | 2 doz. 9d. | with each 4 doz. |
| 2/6 | 12 oz. Bath-size bots. | 24/- per doz. | 2 doz. 9d. | with each 2 doz. |

**FREE IN ADDITION TO BONUS.**

On £3 orders carriage paid.

Peach and Lilies Showcard (water-colour reproduction). Silent Salesman Showcase picturing Ellaline Terriss. Monster Show Bottle filled with genuine "Veldt" Cream.

Obtainable on bonus terms only from

**THE VELDT LABORATORY, Louth, England**

or through our Special Agents,

AYRTON, SAUNDERS & CO., Ltd., LIVERPOOL.



# Vaseline

**Trade Mark Registered**

## PREPARATIONS.

IN consequence of the Government requiring all the space on steamers leaving New York for England, we have been unable to obtain our usual supplies, although there are large quantities of goods awaiting shipment at our factory, and will be forwarded as soon as accommodation can be secured on outgoing steamers from America.

Unfortunately, owing to enemy action, several large consignments have been entirely lost at sea, hence temporary shortage of some of our preparations. We are, therefore, compelled to ask the indulgence of our customers in the meantime for any delay or inconvenience that may arise under the circumstances stated, which are, of course, beyond our control.

**Chesebrough Manufacturing Co.**

42 HOLBORN VIADUCT,

LONDON, E.C. 1.



**10d.**

**Make your old Hat a new one.**

*In bottles, 10d. each, in separate neat cartons, with suitable brush.*

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

**NO GLOSS. NO POLISH.**

**On the P.A.T.A.**

WRITE FOR TERMS, PATTERNS, ALSO LEAFLET OF TESTIMONIALS.

# "Luton" HAT DYE

**WHITAKER & CO.,** COLOUR WORKS, KENDAL, ENG.

London Depot; 60-62 Clerkenwell Road, E.C.

"Glossy" Series supplied if desired.

*Special Non-Inflammable Series for Export.* *Est. 1878*

Telegraphic Address: "Dullette Kendal." Telephone: No. 214.



**IMMEDIATE DELIVERY**

# GATES' BOTTLE CAPPING SKINS

## SNOW-WHITE OPAQUE ROLLED SKINS.

SOMETHING QUITE NEW. These Skins are damp and READY FOR USE. The raw material for Baudruche manufacture being now unobtainable, I have put this new production on the market in its place. ABSOLUTELY AS OPAQUE as Split skins and equal in appearance.

"Mine beat all others."

*Sole Pioneer and Only English Manufacturer:*

**LESLIE GATES,**

3 & 14 Nightingale Road,

**Clapton, E. 5.**

Telegraphic Address: "Englishism, Lowclap, London." Telephone: Dalston 1207.

ALSO GOLDBEATER'S SKIN FOR MEDICAL PURPOSES.

THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.

# There's Money in "REGINA"

## PRICE'S "REGINA"

Shaving Stick

*The Handsome Profit on* "REGINA" *makes* "REGINA" *worth while. An Article that represents splendid value for the money* "REGINA" *is a really good trading proposition.*

ATTRACTIVE SHOWCARD
ARRESTING PUBLICITY
IMMEDIATE SALES

N.B. *Have you asked about* "REGINA"?

PRICE'S
BATTERSEA, LONDON, S.W.11

# YARDLEY & CO., Ltd.

8 NEW BOND STREET - - LONDON, W. 1

Have pleasure in announcing that
they are again booking orders for

# YARDLEY'S Eau de Cologne

and

# Old English Lavender Water

YARDLEY & CO, Ltd., *Office and Works :* Carpenters Rd., Stratford. E.15

## The "MILNER" STRAW HAT CLEANER

SELLS WELL EVERYWHERE

**3d.**

It is easily used and gives complete satisfaction.

*NINTH SEASON*

6 dozen 10/- net.
12 ,, 19/- net.

Carriage Paid.

Orders of 20/- 2½%
£5 5% £10 7½%

MILNER'S CHEMICAL CO.
LIVERPOOL.

## "ONGARD" SAFETY PINS

(GUARANTEED RUST PROOF)

ARE THE BEST FOR
SURGICAL AND NURSERY PURPOSES.

REGD TRADE MARK

SOLE MANUFACTURERS
GEORGE GOODMAN LTD.,
BIRMINGHAM.

WHEN ONCE.
**SEMREH**
SELF - FIXING BOTTLE CAPS
come into use all others are crowded out! There is no room for makeshift methods to-day. Have you read the SEMREH Booklet?

The VISCOSE Development Co. Ld.,
BROMLEY, KENT

*Prompt dispatch can at present be given.*

## BRITISH MADE

## SCENT SPRINKLERS
## COLLAPSIBLE TUBES
Decorated Tin Boxes & Canisters

Manufactured by
The JOHN DALE Mfg. Coy.
NEW SOUTHGATE. LONDON. N.

*TRUE BRITISH.*

*Ready for Inspection.*

# ROYAL VINOLIA

# TOOTH PASTE.

READY for inspection at all times are the teeth which are brushed regularly night and morning with Royal Vinolia Tooth Paste—at all times pearly white, lustrous, protected from decay.

**Royal Vinolia Tooth Paste is the order of the day. It is largely advertised, a ready seller, and yields a handsome profit to the Pharmacist.**

**NOTE THE PRESENT RETAIL PRICES.**

**7½D. & 1/- per Tube.**

VINOLIA COMPANY LIMITED, LONDON & PARIS.

OFFICES AND WORKS: BEBINGTON, Nr. BIRKENHEAD.

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# ELEY BROTHERS, LIMITED

specialise in the manufacture of the following articles at the lowest prices:

## Shaving Stick Cases

## Oval and Round Tops

for Powder Tins, Cruets, Dredgers, etc.

## Metal Boxes

for Dentifrices, Soap Tablets, etc.

## Ferrules

for Walking Sticks, Whips, Bamboo Fittings, etc.

## Pencil Fittings

in any of the following metals: Brass, Copper or White-metal (nickel or silver - plated), Aluminium and Jewellers' Metal (Tombac).

*During the continuance of the War we cannot undertake orders to make any of the above goods requiring one or more of the metals for their manufacture of which the use for commercial purposes has been prohibited by H.M. Government; but we invite inquiries, as we still have some articles in stock which were made before the prohibition was issued.*

**ELEY BROTHERS, Ltd.**

**(Dept. 21), Edmonton, London, N.**



# TITTERTON'S CELEBRATED HAIR BRUSHES

**GOOD PROFITS** are made by selling **TITTERTON'S CELEBRATED BRUSHES**

*(Hair, Tooth, Nail & Shaving Brushes).*

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.

**TITTERTON & HOWARD,**

*Brush Manufacturers,*

**8 & 10 Great Titchfield St., London, W.1.**



# LOFTHOUSE & SALTMER, Ltd.

**Wholesale & Export Drug Merchants,**

**Manufacturing Chemists**

**HULL.**

INVITE the Trade to take up the following valuable P.A.T.A: Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

| P.A.T.A. | Protected Retail Price. | Dozen Net. |
|---|---|---|
| *LOSALL'S SALT (well advertised), tins | 9d. | 6/6 |
| * " " " " " | 1/6 | 13/- |
| * " " " " bottles in cartons | 2/- | 16/- |

**Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.*

**LOSALL'S COMPOUND SULPHUR SOAP.**

| | Box. | Doz. |
|---|---|---|
| A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box @ 8d. | 2/- | 18/- |

# Seasonable and Paying Lines to Stock

ARE

# COOK'S NICOTINE SPRAY

No. 2.

Half-pint bottles, **12/-** per dozen.
Retail, **1/4** per bottle.

No. 1.

1-lb. tins, **18/-** per dozen.
Retail, **2/-** per tin.

*SUBJECT TO USUAL TERMS.*

PACKAGES NOT SPLIT (12 tins or 12 bottles in box).

## THE INDISPENSABLE SPRAY FOR FRUIT TREES, POTATOES, ROSES, etc.

ADVERTISED IN GARDEN PAPERS.

# EDWARD COOK & CO., LTD.

**BOW, LONDON, E. 3.**

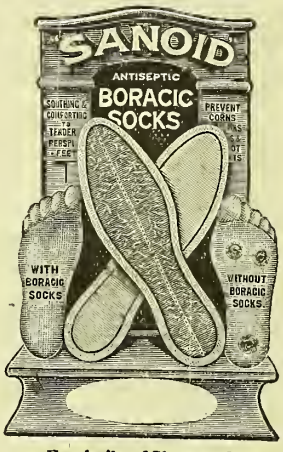
# "SANOID" BORACIC SOCKS

**FOR SUMMER SALES**

Many Chemists have enjoyed the ready sale of Boracic Socks which literally

SELL

THEMSELVES.




Facsimile of Showcard.

6/- per Dozen pairs.
69/- per Gross pairs.

On

P.A.T.A. LIST.

Retail price 9d. per pair.

SAMPLE PAIR POST FREE ON APPLICATION.

**CUXSON, GERRARD & CO., Ltd., Oldbury & Birmingham**

# Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

**MEADE-KING, ROBINSON & CO.**

**LIVERPOOL - - - MANCHESTER**

# SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

## NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

*Kindly write for sample to*

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Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

# JOHNSON'S

## PHOTOGRAPHIC CHEMICALS.

AMIDOL—JOHNSON, METOL—JOHNSON, AZOL—The Active Developer,
HYDROKINONE, ACID PYROGALLIC, POTASS. BROMIDE,
SODA SULPHITE, SODA CARBONATE, AMM. SULPHOCYANIDE,
&c. &c.

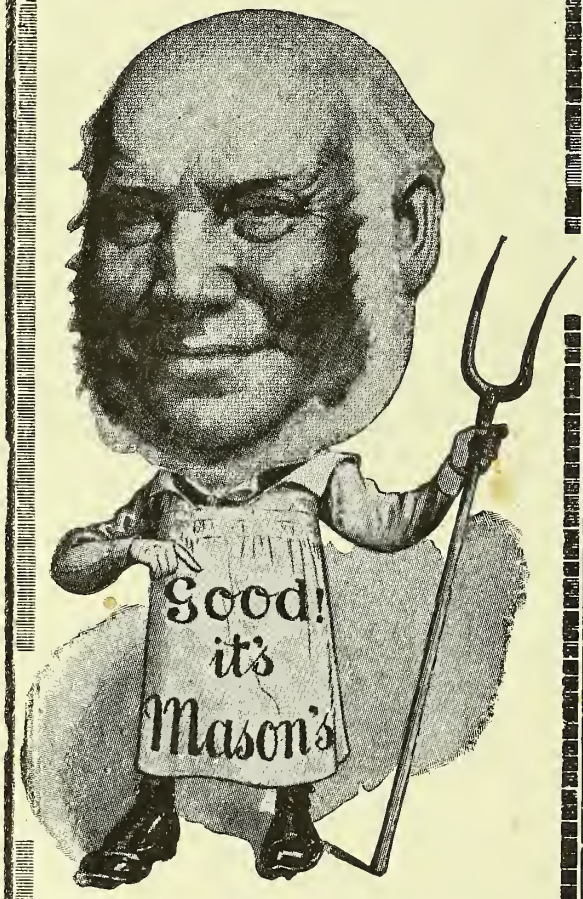
DEVELOPERS, TONINGS, &c., for AMATEUR TRADE,
Packed in CARTRIDGES, PACKETS, SCALOIDS & SOLUTIONS.

MOUNTANT. FLASHPOWDER.
VARNISHES.

JOHNSONS FINSBURY LONDON

JOHNSON & SONS, Manufacturing Chemists, Ltd.,
Cross Street, Finsbury, LONDON, E.C. 2.

# MASON'S EXTRACT of HERBS




The most Refreshing, Delightful, Exhilarating, Health-giving, Economical, Thirst-quenching Beverage in the World.

THE CHEAPEST HARVEST DRINK.

MANUFACTURERS:

NEWBALL & MASON
NOTTINGHAM.

*OVER 40% PROFIT.*

# RELENTA

THE BRITISH APERIENT WATER.

**12/-** PER DOZEN.

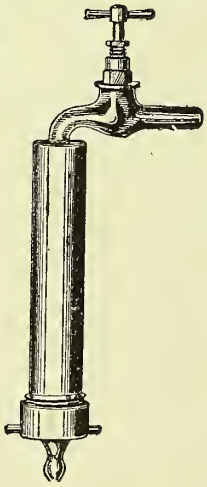
**Carriage paid on full and empties.**

2/- per doz. allowed for empty bottles.
5% discount Monthly settlement.

**FIXED RETAIL PRICE—**
**1/6** per bottle (P.A.T.A.)

SCHWEPPES Limited,
SOLE PROPRIETORS.
LONDON—Vauxhall Walk, S.E. 11.

# PURE DRINKING WATER.



## The Pasteur Chamberland Filter.

*OFFICIAL GOVERNMENT STATEMENT:*
Wherever the **PASTEUR FILTER** has been applied, **TYPHOID FEVER** has disappeared.

**WRITE FOR LIST B.**

Sole Makers:
The British Pasteur Chamberland Filter Co.
*5 WHITE STREET, FINSBURY, LONDON, E.C. 2.*

# FACE VALUE BEGINS THIS MONTH!

# Important Decision of GENATOSAN LTD.

## *INCREASED PROFIT GOES ENTIRELY TO THE RETAILER.*

We have very much pleasure in stating that, from the first of this month, all sizes of SANATOGEN will be sold only at face value, the trade prices remaining unaltered.

This means that, assuming you buy on the best terms, you make 3/- profit on every 9/6 tin of Sanatogen that you sell—an instructive fact, in view of the recent controversy about profits on proprietaries.

In previous announcements we have explained our reasons for supporting the Face Value Scheme, and the resulting correspondence has convinced us that the great majority of pharmacists are keenly in favour of it.

And here we may be permitted to remind our friends in the Trade that we have steadfastly refrained from raising the original prices of our preparations, despite the enormous and ever-growing increase in the cost of raw materials and manufacture, advertising, distribution, etc.—factors which have caused over nine hundred proprietaries to be raised in price.

## YOUR PROFITS AT A GLANCE.

The following table shows you, clearly and unequivocally, your exact profits on each size of Sanatogen—both profit on sale and profit on capital outlay—under the Face Value Scheme, as compared with the former method :—

## FACE VALUE PRICES OF SANATOGEN, WITH TRADE PROFITS.

| Face Value Retail Prices per dozen. | Trade Prices per dozen. | Profit per dozen. | Percentage of Profit on Capital Outlay. | Percentage of Profit on Sale. | Face Value Increase on Capital Outlay. | Face Value Increase on Sale. |
|---|---|---|---|---|---|---|
| SIZE. | | | | | | |
| 2/9 .... **33/-** | **26/-** | 7/- | 26·9 | 21·2 | 3·8% | 2·5% |
| 5/- .... **60/-** | **45/6** | 14/6 | 31·9 | 24·2 | 6·6% | 4% |
| 9/6 ....**114/-** | **86/6** | 27/6 | 31·8 | 24·1 | 7% | 4·2% |
| **ON BEST TERMS 10% ADVERTISING DISCOUNT.** | | | | | | |
| 2/9 .... **33/-** | **23/5** | 9/7 | 40·9 | 29 | 4·3% | 2% |
| 5/- .... **60/-** | **41/-** | 19/- | 46·4 | 31·7 | 7·4% | 3·7% |
| 9/6 ....**114/-** | **77/10** | 36/2 | 46·5 | 31·7 | 7·8% | 3·7% |

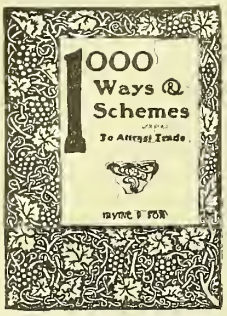
You will see that—buying on best terms and taking the 9/6 size of Sanatogen as a standard of comparison—*the Face Value Scheme increases your profit on capital outlay by nearly 8 per cent., and your profit on sales by nearly 4 per cent.*

Thus, **your profit on capital outlay is now 46½ per cent., and your profit on sales nearly 32 per cent.**—or, as stated at the beginning of this announcement, you make 3/- profit on every 9/6 tin of Sanatogen that you sell.

We take this opportunity of again asking your indulgence in the matter of delayed orders. As our factory had long been working to the limit of its output, we were unable to cope with the sudden and remarkable increase in the demand for Sanatogen ; but new arrangements have now been completed, and the shortage is being rapidly overcome.

**GENATOSAN LTD.** (British Purchasers of The Sanatogen Co.)
**12 CHENIES STREET, LONDON, W.C.1.** (Chairman - LADY MACKWORTH)

# BOOKS for PHARMACISTS




**1000 WAYS AND SCHEMES TO ATTRACT TRADE.** — This book is the result of over five years of observation and labour, and describes more than a thousand ideas that druggists and other tradesmen have successfully put into practice to increase their sales. Many of them have transformed losing businesses into profitable ones. Almost any one of them will bring you larger business and give you a bigger income. 208 pages 9½ × 7, and 120 illustrations. Printed on the best of white paper, and bound in handsomely ornamented cover. Third edition. Price, post paid, 4*s.*; with THE SPATULA 1 year, 8*s.*

**ONE THOUSAND FORMULAS.**—A compilation giving the practical working druggist full information about the making of one thousand of the most common and saleable preparations, by L. W. Marshall. Price 3*s.*; with THE SPATULA 1 year, 7*s.*

**SPATULA VETERINARY FORMULARY.** — A collection of practical formulas for all diseases common among horses, cattle, swine, poultry, and dogs, by L. W. Marshall. 2*s.*; with THE SPATULA 1 year, 6*s.*

**TOILET PREPARATIONS.**—A treatise on the manufacture of Casein Massage Creams, Complexion Creams, Cold Creams and Face Creams; Powders, Toilet Lotions, Camphor Ices, Bath Tablets, and other similar preparations, including hundreds of the latest and best formulas. Compiled and edited by L. W. Marshall. Price, post paid, 2*s.*; with THE SPATULA 1 year, 6*s.*

**SHOW WINDOW BACKGROUNDS.**—By George J. Cowan. The most useful book on the subject ever published. Every design drawn in such a way that any one can follow out the idea. 250 pages, 200 illustrations. Price, post paid, 7*s.*; with THE SPATULA 1 year, 8*s.*

**SPATULA SODA-WATER GUIDE.**—Fourth Edition. Entirely rewritten and brought right up to date. Nearly 2,000 formulas and subjects. Standard American authority on all kinds of fountain drinks. 4*s.*; with THE SPATULA 1 year, 8*s.*

**HOW TO MAKE TABLETS.**—By Frank Edel. A treatise on the manufacture by retail druggists of all kinds of Compressed Tablets, together with a large number of practical formulas. 1*s.*; with THE SPATULA 1 year, 6*s.*

**15,000 FORMULAS.**—A new and revised edition of the "Cyclopedia of Receipts." By A. A. Hopkins, Query Editor of the *Scientific American*. Probably the most practical and valuable collection of formulas and receipts ever published. Besides the receipts there is a vast amount of information on various subjects. 8 pp. illustrated circular giving contents free. Price 21*s.*; with THE SPATULA 1 year, 23*s.*

**PRICELESS RECIPES.** — 3,000 secrets, 368 pages. A book of recipes, and nothing but recipes. Not a cook book. Silk cloth finish. Post paid, 3*s.*; with THE SPATULA 1 year, 7*s.*

**300 READY-TO-USE ADS. FOR DRUGGISTS.**—By Chas. L. Archbold and other experts. Something for every department and every season. Nearly all have each an appropriate illustration which may be used or not as desired. So arranged that they may be cut out as needed and sent to your local paper, or to your printer as copy for counter slips. Price, post paid, 4*s.*; with THE SPATULA 1 year, 8*s.*

**COMMERCIAL PHARMACY.**—By D. Chas. O'Connor. A complete treatise on the business side of pharmacy, founded on over twenty-one years' of experience. Every detail entering into the successful running of a drug-store is thoroughly covered. Cloth, 408 pp., 42 illustrations. Price 12*s.* 6*d.*; with THE SPATULA 1 year, 16*s.*

**METRIC SYSTEM FOR DRUGGISTS.** — By D. Chas. O'Connor. Makes the metric system in relation to pharmacy as simple as dollars and cents, written especially for clerks. The simplest and most practical treatise upon the subject obtainable. Price 2*s.*; with THE SPATULA 1 year, 6*s.*

**NON-SECRET FORMULAS.**—By T. M. Griffiths. Contains the working formulas of a practical chemist acquired in an experience of forty years in the laboratory, and embraces every branch of practical chemistry appertaining to compounding specialities of merit and saleability. Cloth, 540 pp., 6×9. Price 21*s.*; with THE SPATULA 1 year, 23*s.*

**WATCH FOR ANOTHER LIST OF BOOKS THE WEEK AFTER NEXT.**

***FREE.—To any Chemist and Druggist in any part of the world, a sample copy of THE SPATULA, one of the handsomest and most practical drug journals published, full of American vim and push, and a 32-page illustrated catalogue of pharmaceutical books.***

*(Cheques on local banks in Great Britain accepted. Make Money Orders payable to IRVING P. FOX, Treasurer.)*

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# Thomas Waide & Sons

FEATURE

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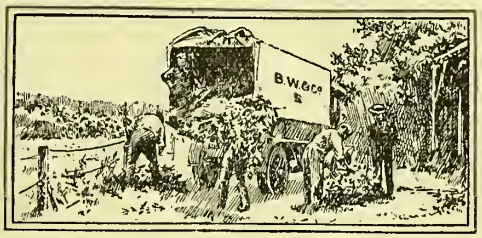
## Of Every Description

All Orders and Inquiries will have best attention.

Samples to Colonies, 10/6, which is credited on orders :: of £10 and upwards. ::

**Kirkstall Road, LEEDS**

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TRADE MARK **'WELLCOME'** BRAND

# Concentrated Tinctures

¶ You dilute them as required and thus avoid locking up capital in alcohol as dilute tinctures do.

¶ You effect a saving on the cost of your specialities when dilution with alcohol is optional.

¶ You economise on carriage, and the bottles are free and not returnable.

¶ The Tinctures are scientifically prepared from finest raw material, much of which is cultivated at the 'Wellcome' Materia Medica Farm.

¶ Diluted they correspond to B.P. tinctures.

*Quotations on request*

**BURROUGHS WELLCOME & CO., LONDON**

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THE BRITISH DRUG HOUSES Ltd

B.D.H.

"SQUIRREL" EFFERVESCENT

# CARLSBAD SALT

IS AGAIN IN GREAT DEMAND IN PLACE OF SALINES AND HEALTH SALTS CONTAINING SUGAR.

**RETAIL (P.A.T.A.) 1/6. WHOLESALE 10/6 per doz. Net.**

Customer's Name and Address free on 1 dozen lots and upwards.

Ask for a copy of this cut-out Showcard in colours.

It helps to make an attractive display for counter or window.

22-30, Graham Street, City Road, London, N.

THE CHEMIST AND DRUGGIST

**A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.**
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

**SUBSCRIPTION RATES.**
Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1s.; *Diary* 3s. 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12s. 6*d.*, franco.

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**Branches:** MELBOURNE AND SYDNEY, AUST.

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# Coming Events.

**Sunday, June 2.**

*United Arts Volunteer Rifles*, "D" Company (Pharmacists), Imperial College Union, South Kensington, London, S.W., at 10 A.M. Company Parade. (June 4 at 8.30 A.M., N.C.O.s Class; June 5 and 6 at 3 P.M., platoon parades.)

**Monday, June 3.**

*Society of Chemical Industry, London Section*, Burlington House, Piccadilly, W., at 7.30 P.M. Dr. H. J. S. Sand on "A Cadmium-vapour Arc Lamp"; Mr. A. R. Powell on "The Estimation of Tin in High-grade Woolfram Ores and the Use of Lead as a Reducing Agent in Pearce's Assay."

**Tuesday, June 4.**

*Progressive Pharmacy Club*, Arundel Hotel, Victoria Embankment, London, W.C., at 8.30 P.M. Mr. E. Skues on "Stock-keeping and Stocktaking."

*Röntgen Society*, Royal Society of Arts, 18 John Street, Strand, London, W.C., at 8.15 P.M. Annual meeting.

**Thursday, June 6.**

*Chemical Society*, Burlington House, Piccadilly, London, W. 1, at 8 P.M. Dr. Horace T. Brown, F.R.S., on "The Principles of Diffusion: their Analogies and Applications."

**Friday, June 7.**

*Royal Institution of Great Britain*, Albemarle Street, Piccadilly, London, W. 1, at 5.30 P.M. Sir Boverton Redwood, Bart., on "The Romance of Petroleum."

# European War News.

**Import and Export Notices.**

NORWAY.—The Director of the British War Trade Department announces that the issue of licences for certain commodities has now been resumed, and that applications for such licences will be considered on their merits. Licences for dyes, drugs, and chemicals of all kinds cannot at present be granted save in exceptional cases. As from May 10 no goods or articles of any kind may be exported from Norway except under licence issued by the proper Department of the Norwegian Government.

**Personalia.**

PRIVATE JAMES NOLAN is reported missing. Prior to joining the Forces he was with Joseph Crosfield & Sons, Ltd., Warrington.

PRIVATE M. PORTER is reported a prisoner of war. Prior to joining the Army he was with Boots, Ltd., at Chapel Street, Southport.

PRIVATE HORACE W. HEPWORTH, West Yorkshire Regiment, is reported missing. In civil life he was on the staff of W. A. Wharram, Ltd., chemists, Leeds.

PRIVATE W. LAWTON, King's (Liverpool Regiment), is reported a prisoner of war. In civil life he was with Joseph Crosfield & Sons, Ltd., Warrington.

PRIVATE WILFRED WHITESIDE, Border Regiment, is reported a prisoner of war. Prior to enlistment he was apprenticed to Boots, Ltd., at Church Street, Blackpool.

PRIVATE THOMAS DALEY, Lancashire Fusiliers, is officially reported missing. In civil life he was with H. D. Pochin & Co., Ltd., manufacturing chemists, Warrington.

CAPTAIN PERCY R. E. JOSEPHS, Royal Air Force, who has recently been promoted from the rank of lieutenant, is a director of Philip Josephs & Sons, Ltd., shopfitters, Old Street, London, E.C. 1.

MAJOR-GENERAL C. H. BURTCHAELL, C.B., C.M.G., has been appointed Director-General of the Medical Services of the British Armies in France in place of Lieut.-General Sir A. T. Sloggett, K.C.B.

SECOND-LIEUTENANT DONALD HODGSON, Royal Air Force, has been recently gazetted lieutenant. Before taking up his commission last October he was with Brotherton & Co., Ltd., manufacturing chemists, Leeds.

CAPTAIN DUNCAN CUMMING, Lancashire Fusiliers, has been awarded the Military Cross for bravery in the field. Captain Cumming is the son of Mr. John Cumming, chemist and druggist, Victoria Street, Crewe.

ASSISTANT-PAYMASTER CHARLES MOTE, who was gazetted to this rank on May 4, was in civil life the representative of S. Maw, Son & Sons, Ltd., in a North-country district. He joined the Navy early in 1917 (*C. & D.*, 1917, p. 230).

SECOND-LIEUTENANT ALEXANDER DONALD MILLER, M.C., chemist and druggist, is reported a prisoner of war. An account of the gallant deed which resulted in his receiving the Military Cross appeared in the *C. & D.*, January 26, p. 34.

SECOND-LIEUTENANT W. H. BRINDLEY, R.E., has been awarded the Military Cross for gallantry during military operations on March 31. In civil life Second-Lieutenant Brindley was with Mr. F. McKinlay, chemist and druggist, Glossop.

PRIVATE ALLAN HARLEY, attached to the Seaforth Highlanders, is officially reported missing. Private Harley, who is the younger son of Mr. Thomas Harley, chemist and druggist, High Street, Perth, had been in France only three days. His elder brother has been on active service for three years.

SECOND-LIEUTENANT J. J. LAWS, Royal Fusiliers, whose marriage is announced (see p. 39), joined the Army in June 1916, and received his commission last January. Second-Lieutenant Laws was trained in pharmacy by his father, Mr. J. J. Laws, chemist and druggist, at Goodge Street, London, W., and subsequently assisted him at his Chiswick business.

THE FOLLOWING CASUALTIES are reported in connection with soldiers who till their enlistment were with Taylors' Drug Co., Ltd.: Private A. Blackett, Lincolnshire Regiment, missing; Private G. R. Curnock, East Surrey Regiment, missing; Private R. Gray, Royal Welsh Fusiliers, "gassed"; Private T. Merrell, West Yorkshire Regiment, wounded; Gunner G. Rees, R.F.A., wounded, and in hospital in England; Private H. Wright, Royal West Surrey Regiment (Queen's), prisoner of war.

SERGEANT JAMES DIXON JAMIESON, R.A.M.C., has been awarded the Military Medal for devotion to duty on the Western Front. It is reported that "he was left in charge

of an aid post, and continued evacuating his wounded under shell and machine-gun fire in an atmosphere which for several hours necessitated the use of gas-masks, sticking to his work until the post became absolutely untenable." Sergeant Jamieson passed the Qualifying examination in 1915, and joined the Forces soon after. He was for seven years with Mr. A. Whitelaw, chemist and druggist, Cupar, first as apprentice and then as assistant.

### Miscellaneous.

Sugar (Restriction) Order, 1918.—We are informed that the terms of this Order (*C. & D.*, May 25, p. 33) do not revoke the special arrangements which are in force by which druggists obtain 50 per cent. of the sugar-supplies of 1915.

Black-listed Firms.—A new list of additions, covering fifty-four names in Argentina, Brazil, Chile, Colombia, Greece, Guatemala, Netherlands, Netherlands East Indies, Norway, Spain, Sweden, and Venezuela, has been issued. In the Spanish list appears the "Sociedad Electro-Quimica de Flix (manager Otto Pagelsen, Calle Valencia 236, and Calle Princesa 21, Barcelona)."

Enemy Patents.—Application by L. B. Holliday & Co., Huddersfield, was made on May 29 for licences to employ twenty-three patents for the aniline dyes belonging to alien enemies.—The British Dyes, Ltd., St. Andrew's Road, Huddersfield, are applying for forty-eight dye patents belonging to alien enemies. The hearing takes place at the Patent Office Court on June 5.

Military Service.—A short guide to the Military Service regulations has been published by the Stationery Office (reference number R192, 1*d.*). It will be found useful for those who, for various reasons, are claiming exemption from military service, but does not deal specifically with the pharmaceutical side of the question, which is dealt with locally by the Pharmaceutical Committees.

Retail Price of Rice.—The Food Controller has issued the Rice (Retail Prices) Amendment Order, dated May 16, 1918, which amends the first paragraph of Clause 1 (*a*) of the Principal Order as from June 1, 1918, the substituted paragraph reading as follows: "No rice shall be sold by retail at a price exceeding the rate of 4*d.* per lb. No ground rice, rice flour, flaked rice, or other similar rice product shall be sold by retail at a rate exceeding 4½*d.* per lb., except that where such article is of a proprietary brand and is packed in cartons it may be sold at a rate not exceeding 5½*d.*"

Registration of Tea Retailers.—For the purposes of the tea-distribution scheme, which will come into force on July 14, all retailers of tea must be registered by their local Food Committees. Forms are now being distributed for this purpose, and a certificate of registration as a sugar retailer will be regarded as registration for tea, provided notification is made to the local Committee, stating that it is desired to continue to deal in tea. Permission is granted to local Committees to issue certificates of registration to applicants not previously selling tea, if necessary in the public interest. Applications for registration must be made at once, and certificates, it is stated, will be ready for issue by June 3.

## Military Tribunals' Decisions.

Since our Last Report the following decisions have been notified:

Colchester.—The calling-up of Mr. H. Motson, assistant with Mr. A. W. Nunn, was, on the suggestion of the Insurance Commissioners, postponed to July 1.

Eastbourne.—The following chemists and druggists were conditionally exempted for six months: Messrs. G. C. Harmer, A. Moss, J. O. Routly, and P. C. Veale. Mr. W. A. Russell, pharmacist, assistant with the executors of the late Mr. J. Senior, chemist and druggist, was exempted for six months conditionally on assisting in the work of two other pharmacies. Mr. H. J. Pellow, pharmacist, assistant with Mr. H. H. Cooper, chemist and druggist, was finally exempted to June 15. The following assistants were exempted for six months: Messrs. J. T. Archer (Sussex Stores), B. W. Bagley (Mr. F. J. Crisford, chemist and druggist), G. Checkley (Mr. A. Moss, chemist and druggist), and D. T. Morgan (Mr. W. Price, chemist and druggist).

Exeter.—At the instance of the National Service authorities, the case of Mr. Percy F. J. Trestrail, chemist and druggist, was adjourned for two months.

Herne Bay.—Messrs. W. P. Cole, Ph.C., C. Philip, chemist and druggist, and H. Pyman, chemist and druggist, were each given three months' exemption in place of conditional exemption.

## English and Welsh News.

**The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."**

### Postal Changes.

The following changes in the letter and parcel rates come into force at midnight on June 2:

*Inland.*

*Letter Rate.*—The new rate will be: Not exceeding 4 oz., 1½*d.*; and for every additional 2 oz. or fraction of 2 oz., ½*d.*

*Postcards.*—1*d.* instead of ½*d.* Reply postcards, 2*d.*

*Book Rate.*—This becomes the "Printed Paper Rate." The regulations remain much the same, but the charge, which at present is ½*d.* for 2 oz. all through, the scale, now becomes ½*d.* for 1 oz., and 1*d.* for packets exceeding 1 oz. but not exceeding 2 oz. Above 2 oz. the special rate ceases to apply, and the letter rate operates.

*Sample Rate.*—This is abolished as a special rate, because samples may now be sent at the letter rate—4 oz. for 1½*d.*

*Parcel Rate.*—The old scale varying lb. by lb. (1 lb. for 4*d.*, 2 lb. for 5*d.*, and so on up to 11 lb. for 1*s.*) is displaced by a triple scale: Up to 3 lb. for 6*d.*, over 3 lb. but not exceeding 7 lb. for 9*d.*, and over 7 lb. but not exceeding 11 lb. for 1*s.*

*Foreign and Colonial.*

*Letter Rate.*—The rate to all destinations to which it has hitherto been 1*d.* for 1 oz. (that is, British Possessions generally and the United States) will be 1½*d.* for 1 oz., and 1*d.* for each succeeding ounce.

*Soldiers and Sailors.*

Letters to sailors on H.M. ships and soldiers serving abroad may still be sent for 1*d.* if the weight does not exceed 1 oz.

The same special rate applies to letters to women serving with the Forces abroad.

### Birmingham.

Mrs. Barrow Cadbury has received the decoration instituted by the Queen of the Belgians. Belgian refugees in Birmingham owe much to Mrs. Cadbury's devotion to their interests.

The late Dr. Thomas Nelson, Edgbaston, well known to local pharmacists, left estate valued at 32,223*l.* He desired his body cremated, the ashes cast to the winds, and no information of his funeral conveyed to his friends.

Pharmacists who have country seats may profit—or take warning—by the experience of one of their number not many miles from here. A party of townspeople apparently out for a walk the other day called at his house, purchased eggs, and asked whether they could be supplied with tea!

A meeting of the British Association of Chemists (Provisional Society) at Birmingham University, held on May 23, adopted resolutions agreeing with the proposals of the Instituto of Chemistry as ratified on April 27, and favouring the continuance of the Association after further local sections of the Institute have been formed.

St. Germain's Church, Edgbaston, has been enriched by the gift of a bishop's chair in memory of Second-Lieutenant John Wilfred Dabbs, and a credence table in memory of Lance-Corporal Laurence Ernest Dabbs, sons of Mr. Dabbs, manager of the lacquer department of Canning & Co., manufacturing chemists, Great Hampton Street.

### Liverpool.

Mr. Henry Peet, M.A., F.S.A., chemist and druggist, has completed forty years in business at the Adelphi Pharmacy.

Mr. John Cleworth, of Manchester, has been on a visit to Liverpool, conferring with fellow-pharmacists and calling on the wholesale houses.

Mr. W. H. Saunders (Ayrton, Saunders & Co., Ltd.) presided at the annual meeting of the Liverpool Library on May 24 and gave a brief sketch of its history, which dates back to 1758.

The staff of Ayrton, Saunders & Co., Ltd., are giving this week-end a dual repetition at Crane Hall of their entertainment (*C. & D.*, April 27, p. 34). The proceeds are for the benefit of the City of Liverpool Cadet Battalion, in which Mr. George Inman, chemist and druggist, holds a commission.

In opening a new ward and massage department at the David Lewis Northern Hospital on May 25, Sir Robert Jones quoted a distinguished surgical authority as claiming that the Thomas splint has, during the present war, reduced

fatalities from thigh-shock, which formerly were 80 per cent., to 20 per cent. or less.

A down-town pharmacist had an amusing experience this week. He supplied a merchant, who was accompanied by his wife, with a draught, as demanded, and after it had been consumed said, "Call in to-morrow morning and tell me how you feel." Both the merchant and his wife turned pale, supposing that the wrong medicine had been given. The sequel was satisfactory.

**Miscellaneous.**

FIRE.—By a fire which occurred on May 19, the store at the rear of the premises of Mr. W. G. Powell, chemist and druggist, Fordingbridge, was destroyed, together with the contents.

NEODIARSENOL.—The Local Government Board has issued a circular to local authorities informing them that the Board has approved of neodiarsenol as a drug that may be supplied under Article III. of the Public Health (Venereal Diseases) Regulations.

RECORD SALE OF SOAP.—In the course of the recent Empire Day celebrations at Selfridge's, Oxford Street, London, W., Mr. T. Gordon Heighington, chemist and druggist, was presented with a cheque for 50*l*. for having established a world's record in his department by the sale of a total of 80 tons of soap in six weeks.

IN THE COURTS.—At the Central Criminal Court, London, on May 28, Beatrice Wilson, nurse, was sentenced to twelve months in the first division for forging a request for the supply of morphine sulphate (*C. & D.*, April 27, p. 35). It was stated that she had latterly been a victim of the drug-habit.—At Dukinfield, recently, Mr. Ralph Hough, manufacturing chemist, "Newlands," Alexandra Park, Manchester, was fined 5*l*. for using petrol contrary to regulations, and a further 2*l*. for not producing his licence.—At Burnley, recently, two boys aged thirteen and eleven respectively were bound over for twelve months, and ordered to pay costs, on a charge of breaking into the shop of Hartleys, chemists, St. James's Street, and stealing the sum of 1*l*. 13*s*.

POISONINGS.—An inquest was held at Chulmleigh, on May 23, on the body of Mary Elizabeth Richards, who was found dead on May 16. Mr. Arthur Harold Penney, Ph.C., Fore Street, stated in evidence that the deceased woman recently purchased in his shop a sealed packet of mouse-poison containing strychnine, and duly signed the poison-book: she had had mouse-poison on several occasions. The verdict returned was "Suicide while in an unsound mind by taking strychnine."—George Durdy, Harwood, was recently found dead in a barn, and by his side was a bottle that had contained laudanum. A coroner's jury subsequently entered an "Unsound mind" verdict.—Two cases of accidental poisoning by carbolic acid are reported this week, the victims being Mr. A. A. Chancellor, Richmond, Surrey, and Mr. T. Moss, Newton Heath, Manchester.

ANTHRAX IN WOOL.—The Departmental Committee appointed to inquire as to the precautions to be taken to prevent the danger of infection by anthrax in wool has issued a report in which the following process of disinfection is recommended:

(1) A preliminary process in which material is submitted to the action of a warm solution of soap in water containing a little alkali, followed by squeezing through rollers. The purpose and effect is to cause disintegration of blood-clots and the removal of all protection from the spores, and to bring the latter into a condition in which they are susceptible to the action of disinfectants.

(2) The disinfecting process, in which material treated by the preliminary process is submitted to the action of a warm solution of formaldehyde in water, and again squeezed through rollers. Most of the spores are destroyed at this stage.

(3) Drying, by which all the surviving spores are killed except in special circumstances.

(4) Standing for a short time in order to ensure the destruction of any spores which may, when exceptionally well protected, survive stage 3. It is shown that the last two stages are largely in the nature of a safety factor.

WORKS COMMITTEES.—The second of the Industrial Reports issued from the Ministry of Labour is based on an inquiry made by members of the Ministry as to the constitution and working of Works Committees in a number of different industries. Although chemical industry and the manufacture of pharmaceuticals are not specifically dealt with, there are many firms in these industries who find the practice of welfare work so greatly an advantage to business that a perusal of this Report will be distinctly helpful. The records of practical experiences provide guidance and suggestions for the smoother working of large concerns, particularly in view of the changed conditions that will prevail after the war. It is a Report which appeals to employer and employed alike, for the endeavour is to promote that confidence which is the basis of all permanent relationships. Of particular interest to pharmacists is the account of the Works Council in a soap-factory, which has for its purpose the collection direct from the workers of any suggestions for the improvement of their surroundings and the placing of such suggestions, in the form of mature proposals, before the directors for their approval. That particular Council has been in existence for fifteen years.

SALE OF FOOD AND DRUGS ACTS.—At Birmingham Police Court, on May 24, Mr. James Austin, chemist and druggist, Alum Rock Road, was summoned for selling lime-water which contained no lime. It was stated for the prosecution that the water contained a smaller percentage of solids than ordinary tap-water, 0.006 of calcium carbonate, and 0.18 of other matter, but no lime at all. It was urged for the defence that the water had deteriorated. A fine of 3*l*. was imposed.—At the same court, Mr. Walter Edwin Heath, chemist and druggist, Lodge Road, Hockley, was fined 5*l*. for supplying sodium bromide in place of potassium bromide. Mr. Heath explained that the sale was the result of an error.—Mr. Bernard Dyer, D.Sc., in the course of a report on two samples of insecticidal fertiliser sent informally from Hampshire, remarks that both contained only insignificant quantities of fertilising matter, together with about 17 and 19 per cent. respectively of carbonate of lime, which might have been of some use on some soils. In one case, the material was purchased for top-dressing wheat and killing wireworm, for neither of which purposes would it have been of any material use.—A sample of tincture of rhubarb, taken informally at Southampton, was found deficient in solid matter to the extent of 70 per cent.

# Irish News.

**Brevities.**

Mr. Eugene M. Sweeny, Ph.C., Patrick Street, Cork, will in future close his shop on Sundays.

There has been a great relief in the matter of the shortage of silver in Ireland, which at one time threatened to stop all business. There is a slight scarcity of coppers at present.

The monthly Committee-meeting of the Cork Branch of the Irish Chemists' Assistants' Association was held on May 24. Mr. O'Connor (Chairman) presided. Only business of a formal nature came before the meeting.

At a meeting of the Sligo Trades Council, Mr. Adamson (Chemists' Assistants' Association) said the employers in the town were as anxious as the assistants to close early, and they met the assistants in the fairest manner, for which he thanked them.

A strike which occurred recently with the employés of Hugh Moore & Alexanders, Ltd., wholesale druggists, Dublin, has been settled, the company agreeing to reinstate six men dismissed and to pay the minimum demand of the workers' Union.

A Traders' Protective Association has been formed at Fermoy. The drug and chemical trade is represented by Messrs. Winkworth and J. D. O'Connell. The objects of the combine are, *inter alia*, to prevent undercutting of prices by co-operative stores.

Sir Charles Cameron has been elected public analyst to the Leitrim County Council, at 50*l*. a year. He had previously resigned, as the Council refused to grant him an increase of salary, and, there being no other applicant, he was now appointed on his own terms.

# Scottish News.

**Brevities.**

Mr. David Storrar, chemist and druggist, Kirkcaldy, was a prize-winner in the recent draw in connection with the Dundee Fine Art Exhibition.

Messengers are becoming increasingly difficult to obtain in Edinburgh, with the result that those customers who seem to believe themselves born to receive preferential treatment experience shocks.

Increased postal rates will not greatly hurt a branch of trade which has been growing for some time. Ladies in small towns and villages seldom or never purchase face-creams, depilatories, etc., locally, but prefer to send an order by post to a chemist at a distance.

THE construction of a new electro-therapeutic and massage department has been completed at the Great Northern Central Hospital, London, N. It is estimated that 1,000 patients a year will attend.

# French News.

(From the "C. & D." Paris Correspondent.)

A Question of Labels.—In the multitude of decrees issued since the outbreak of war, difficulties sometimes arise. The circular of June 25, 1855, prescribed a red label for medicaments destined for external use, but the decree of September 14, 1916, exacted a green label, a detail which caused some searchings of heart among conscientious and would-be law-abiding pharmacists. The Paris Pharmacists' Syndicate submitted this legal puzzle to the Director of the School of Pharmacy. He conferred with the head of the anti-adulteration service at the Ministry of Agriculture. They agreed that the general idea of the decree was to vary labels in such a way as to express by the colour the degree of danger each presented, but thought that "the end aimed at would only be really attained if coloured labels were exclusively reserved for poisonous substances for external use." Now, as in 1855 (concludes the official letter), "labels for innocuous external remedies or for internal remedies should be printed in black on white paper."

Heroic Pharmacists.—M. Richard, who until 1914 peacefully kept open shop in a Parisian suburb, is now an infantry captain. He has just received, not only the War Cross, but the red ribbon with the "Star of the Brave"—not an easy "decoration" to gain in war-time. For four days, under unceasing bombardment and practically cut off from the rest of the French forces, he held a position. The chiefs of the neighbouring companies killed or wounded, he took command, and "in spite of the lack of water, food, and sleep, energetically repulsed by volley-firing and bayonet-charges every attack of the enemy."—The number of pharmacists cited for courage and devotion to the wounded under fire continues to be considerable. We may cite Assistant-Major T. Moreul (doctor in pharmacy), a man of forty-eight, who has "several times volunteered for dangerous work," bringing in fallen men from "No Man's Land," and who "particularly distinguished himself" in a couple of gas attacks.—Assistant-Major Leopold Darberg is rated as "Chief of a Toxicological Laboratory," but varies his indoor duties by such tasks as "going to an artillery battery during its bombardment by gas shells to assure himself of their effects and of the means of protection," and "always taking samples of drinking-water from the front trenches for analysis."—Auxiliary pharmacists Jean Mazières, Pierre Babinot, and Gabriel Pottier, all belonging to the G.B.D. 127, have also been cited in eulogistic terms, which space forbids us to reproduce, for bringing in wounded men from tight corners.

# Colonial and Foreign News.

Pharmacies as Recruiting Centres.—Eight thousand pharmacies connected with the United Drug Co., Boston, U.S.A., are being used by the American Government as recruiting-stations for an important branch of the U.S. Forces.

Bulgarian Trade with Switzerland.—During the first six months of 1917, otto of rose valued at 1,014,500fr. was exported from Bulgaria to Switzerland. The total exports amounted to 1,085,024fr., and the imports to 4,773,978fr.

Chemicals in the Dutch Indies.—A Dutch journal states that the manufacture of sulphuric and sulphurous acids, carbonic acid, and oxygen is a considerable industry in the Dutch Indies. Dissolved acetylene works have been established. Part of the iodine production of East Java is exported, and the remainder used for iodoform, etc.

Devolution in Spanish Pharmacy.—A Spanish decree enacts that each provincial centre in the country is to establish a College of Pharmacy with a governing body, and that every pharmacist in business shall become a member of the College of his district. Examinations may be held by each College, which is invested with legal and executive functions.

State Pharmacy in Brazil.—In a presidential message to the Legislativo Congress of San Paulo, Brazil, it is mentioned that heavy demands have been made this year on the State Pharmaceutical Laboratory by hospitals, municipalities, and sanitary commissions. The Laboratory, which has to struggle with obsolete plant, dispenses and also supplies medicines in bulk.

Company Pharmacy in Spain.—Spanish pharmacists are perturbed by the advent of company pharmacies. They have, for the moment, stayed the movement with an official decree declaring that the practice of pharmacy is incompatible with company trading; but an appeal to higher authority has been made, and it is shrewdly suspected that ultimately cash, not principles, will carry the day.

Olive-oil Difficulties.—The general public in parts of Italy has no olive oil, although a sufficiency exists in the country. In the practical absence of butter and lard, improved transport is desired. A decree has been issued in Italy ordering a fortnightly return of stocks of olive oil from all persons producing or holding a larger quantity than a quintal. Wholesale prices have been fixed.

Medical Supplies in Denmark.—Lanoline has long since disappeared from pharmacies and been replaced (in ointments) by other fat-stuffs. Castor oil is extremely scarce, and senna and senna-pods have for a long time been absolutely unobtainable. Saccharin and "crystallose" are in great demand; before the war a kilo. of saccharin cost 200kr. (11*l.* 2*s.* 2½*d.*), now the price is—1,000kr. (55*l.* 11*s.*)! "Dressings" are becoming more and more deficient, the stocks of some being almost depleted. The greatest difficulty for the pharmacist is the scarcity of medicinal herbs.

Cocaine in Bengal.—The report on the administration of the Excise Department in Bengal during 1916-17 says the total quantity of cocaine seized in Bengal during the year was about 56 lb., compared with about 86 lb. in the previous year. Although illicit cocaine was scarce at the time owing to the interruption of supplies, there appeared to have been no continuous shortage, and the price at the end of the year was lower than it had been in some of the preceding months. Some Calcutta Excise officers discovered one of the chief sources of supply in the United Kingdom. As a result the export of cocaine from the United Kingdom has been prohibited except under licence. On the other hand, Japanese cocaine [? cocaine *viâ* Japan] appears to have come in. The report adds that there seems to be no reason to believe that the persons who are prepared to pay for illicit cocaine have any real difficulty in obtaining it.

# German News.

Liquid Oxygen Enterprise.—The Stassfurt ducal salt-works are taking up the manufacture of liquid oxygen, and the State has granted 120,000m. for the construction of the plant.

Cotton-wool Manufacture.—The "Chemiker Zeitung" states that the Jata Works, Dresden, are trying to utilise the reed-mace plant (*Typha latifolia*) for the manufacture of cotton-wool.

Hops in Tobacco.—The use of hops in tobacco is authorised to the extent of 20 per cent. The army authorities have not yet consented to this use in tobacco for the army, which absorbs the greater part of the production.

Linseed-oil Substitutes.—The German Government offered 50,000m. in a prize competition to obtain substitutes for linseed oil. There were forty-six entries and only one was found acceptable, and the inventor was awarded 5,000m. A new competition has been ordered.

More Tobacco Substitutes?—The Dresden Chamber of Commerce has asked the Ministry to permit the use of the leaves of lime, pear, apple, walnut, hazel-nut, chestnut, and beech trees and of Jerusalem artichokes, as substitutes in the manufacture of tobacco products.

Worthless Food-substitutes.—It is stated in the "Berliner Tageblatt" that at the end of last October there were 7,000 substitute foods known to the authorities. A few are described—*e.g.*, a "stretching flour" of powdered hay, "jams" of essence-flavoured gelatin and water, and "meat cubes" of similar origin to the jams.

Bandage Restrictions.—An Order has been issued that in future surgical bandages made of material manufactured from cotton shall be sold wholesale only to the trading company of German pharmacists, and by it only to pharmacists. Retail trade in these goods will, in principle, cease, as physicians' orders or the equivalent will be prerequisite.

Office for Drug Distribution.—The Imperial Union of the Drug and Chemical Trades' Associations, to which the German Apothecaries' Union and the German Druggists' Union belong, has established a distribution office in Berlin for economic purposes during the war and afterwards.—A company with an original capital of 200,000m. has been founded in Berlin for the supply and distribution of raw materials in the techno-chemical industry.

Tea- and Coffee-substitutes.—The Germans are finding out that there is nothing that can satisfactorily take the place of a good cup of genuine tea or coffee. In order to compensate for the horrible taste and smell of kohl-rabi coffee-substitute, manufacturers are mixing caffeine with it, as also with "German tea." Formerly, a pound of good coffee-beans cost 80pf., but to-day the rubbishy substitute is priced at from three to six times as much.

# General Medical Council.

THE Council Chamber at 44 Hallam Street, London, W., seemed somewhat empty when the members assembled on May 28, at the opening of the 107th session. The mace—the symbol of office—lay on the table, but the presidential chair was vacant, Sir Donald MacAlister's term of office as representative of the University of Glasgow having expired. Mr. Tomes, as senior Treasurer, took the chair and welcomed the new members. Sir Donald was not long absent; his re-election as President was proposed by Dr. Norman Moore, seconded by Sir John Moore, and, it goes without saying, was carried unanimously, and he returned to his place amid applause. No tribute to the President, said Sir John, could be greater than his election for a fourth term of office; the thanks which they accorded him for presiding at the meetings should be coupled with thanks for the duties he performed for them in the interim.

### PRESIDENT'S ADDRESS.

His membership of the Council, the President said in his address, dated from 1889. Sir G. H. Philipson joined it in 1892, and when he died in January last he had represented the University of Durham for over a quarter of a century. His contemporary at Cambridge, Sir Clifford Allbutt, had just retired after ten years' service. To fill the places thus vacated, Durham sent them Professor R. Howden, the accomplished editor of Gray's "Anatomy"; and Cambridge, Dr. Frederick G. Hopkins, F.R.S. Sir Frederick Taylor would probably not be able to attend during the session on account of his health. When the last-named retired from the Presidency of the Royal College of Physicians, Dr. Norman Moore was called to fill the place, on which honour they would all congratulate him. Their collection of portraits, the President added, had been increased by the bequest of Sir G. Philipson and the gift of Mr. Brudenell Carter. After commenting on the effect of the war in various ways on the medical profession, the President went on to say: War conditions, which last year made it necessary to limit the use of glycerin and refined sugar in pharmacy, have this year forced us to a like economy of fats and oils. Lard and suet must be reserved for food; castor oil and olive oil are scarce, and are required for other important uses. Representations from the Government satisfied the Executive Committee that immediate action must be taken to authorise the use of substances other than these in the official ointments, liniments, etc., of the British Pharmacopœia, 1914. After consultation with the Pharmacopœia Committee, it was decided that the only way to meet the emergency was to follow the precedent of July 1917, and to amend and alter the Pharmacopœia by the insertion therein of an official leaflet, of which notice was published on behalf of the Council, as the Act directs, in the "Gazettes" of London, Edinburgh, and Dublin on March 29, 1918. Pharmacists and dispensers thus obtained liberty, in making certain official preparations, to substitute suitable bases for the fatty substances that are no longer procurable.

### PENAL BUSINESS.

The programme of business intimates that the session will be a short one. The first penal case was taken on the opening day, and was soon disposed of. Bertram Douglas Black, L.D.S., R.C.S., Clare Street, Dublin, had been accused by the British Dental Association of associating himself with an unqualified dentist, David Isaacson or Davy (who had, moreover, been convicted of unlawfully using the letters D.D.S., U.S.A.), and of passing himself off as Davy—the somewhat paradoxical position being maintained of the unqualified covering the qualified. Mr. Black stated that he had been invalided out of the Army, and had been driven to take a post with Davy for a few months. He had now severed his connection with him, and apologised to the Council, promising that there should be no cause for complaint in future. The Council were not long in deciding that they did not see fit to remove Mr. Black's name from the Dentists Register.

The case, adjourned from last session, of F. W. Salter, L.R.C.P., L.R.C.S., Newtown, Montgomery, which the Council took first on May 29, occupied only a short time. The Ministry of National Service had brought the complaint against the doctor that he had given certificates enabling a man to avoid military service without seeing him. Professional testimony being forthcoming as to the correctness of Mr. Salter's conduct since, his own expression of regret, and the fact that he did not give the certificates without knowledge (evidenced by the discharge since of the patient from the Army as unfit) brought the Council speedily to the decision that they did not see fit to erase Mr. Salter's name from the Register. Rather more than the remainder of the afternoon—the Council sitting for twenty minutes beyond their time—was taken up by the case, also adjourned from last session, and postponed from last May (on account of the absence of the accused), of Arthur E. Gladstone, M.R.C.S., L.R.C.P., of New Zealand. Mr. Gladstone was charged with having committed adultery and eloping with a patient, and a decree of divorce had been pronounced in the court two years ago. Mr. Gladstone again did not appear, but was represented. Ultimately the fiat went forth that he had been found guilty, and that his name would be erased from the Register.

# The Claims of Organic Chemistry.

DR. M. O. FORSTER, F.R.S., a director of British Dyes, Ltd., read a paper before the Royal Society of Arts, on May 29, on "Organic Chemistry in Relation to Industry." The theme of the lecture was the recognition of organic chemistry as a vital factor in the successful prosecution of British industrial enterprise. Aniline-colour manufacture is only one branch of organic-chemical industry, but in the sense that the textile-industry depends upon it for dyes it is a key-industry. This country has been slow in recognising the need for the adequate teaching of organic chemistry, most of the professorships, except that at Manchester, being of comparatively recent date. The deficiency is gradually being made good, but the disproportion compared with Germany is very great. Dealing then with the claims of organic chemistry, Dr. Forster claimed that it offers one of the most attractive available agencies for cultivating the human intelligence, for the man who devotes his life to this branch of scientific study may incidentally satisfy most forms of intellectual craving. The first mental demand of which we become aware is for romance, and as in some respects we nearly all remain children for most of our lives, this need survives until death. Carefully studied, the history of synthetic-dye manufacture, which has been more than anything responsible for the development of organic chemistry, is highly romantic. The accidental discovery of the first one by a lad of eighteen, who forthwith laid the foundation of a profitable commercial enterprise; the discovery of magenta in France, also fortuitous; the dazzling prosperity of Simpson, Maule, and Nicholson; the gloomy failure of their successors, Brooke, Simpson, and Spiller; the discovery of the diazo-reaction by a peasant-student; the twenty-four hours' interval between the Caro, Graebe, and Liebermann patent in Germany and the Perkin patent in England for the manufacture of alizarin; the consequent elimination of madder from among the products of agriculture; the persistent German efforts to elucidate the constitution of indigo and to base thereon a process for its commercial synthesis; the complete and profitable triumph of these; the consequent decay in the cultivation of natural indigo; the also consequent development of the contact-process for sulphuric-acid manufacture; the improvements in the production and storage of chlorine, and the diabolical misuse of this material in 1915, are some of the salient incidents in the life of a great industry. A study of these, and of many more which cannot here be considered, a calculation of the part which each has played, and a just appreciation of the men connected with them, would furnish material for one of the most absorbing and fascinating histories of triumph and tragedy yet remaining to be written. Systematic chemistry is the crystallisation of orderliness, and it makes strong appeals to the creative instinct and to the imagination. The last point was illustrated by Kekulé's conception of the benzene ring and Van t' Hoff's theory of the asymmetric carbon atom. Dealing with research, Dr. Forster referred to the developments that had resulted in the production of valuable remedies in the relief of human suffering. The latter part of the lecture dealt with the problems of dye-manufacture and the importance of the production on an adequate scale of intermediates—the dye-maker cannot make colours when capital for making the necessary intermediate products is withheld from him.

HOPS IN GERMAN CIGARETTES.—A report from Mannheim states that manufacturers appear to be confident that hop cigarettes will be authorised for Army contracts, as substantial lots have been purchased for tobacco substitutes in the last few weeks.

GERMAN POTASH INDUSTRY.—It is announced that the German Potash Syndicate is to continue in being till December 31, 1926. A recent financial report of the Carlsfund Potash Co., Magdeburg, states that its output has fallen owing to shortage of coal and to inadequate transport facilities, and that current requirements cannot be met.

# Legal Reports.

**Liquid Eggs.**—At the Westminster Police Court on May 27, Mr. Cecil Chapman gave judgment in a case where a local trader was charged under the Sale of Food and Drugs Acts, at the instance of the Westminster City Council, with selling liquid eggs containing boric acid in the proportion of 64 gr. per lb. The case has occupied the Court for some time, and has been keenly contested. Mr. Ernest Wilde, K.C., for the defence, contended that boric acid was the most practical preservative to employ in this case. The Magistrate thereupon held that there was a complete absence of proof that the use of preservative had resulted in injury to any section of the public. He dismissed the summons, with fifty guineas costs.

**Liquid-paraffin Patent.**—At the Patent Office Court on May 24, before Mr. W. Temple Franks and Sir Cornelius Dalton, an application was made by the Hall Motor Fuel Co., Ltd., for a licence to use patent 11140 of 1908, which governs a process for purifying crude petroleum. The patent was taken out by Dr. Edeleanu, a Roumanian, from whom a German company acquired it. The process consists in agitating crude petroleum with liquid sulphur dioxide, the result being a tasteless and odourless product, which, as liquid paraffin, is largely used in medicine. The applicants had been using a process in which fuming sulphuric acid was used, but in view of the need for that chemical for war-purposes it was decided to experiment with the Edeleanu process. The experiments were successful, and it has been decided to lay down plant at once if the application is granted. The process is worked under pressure, so as not to waste the sulphur dioxide, practically all of which is recovered. A royalty of 6*d.* a ton was offered. Mr. Temple Franks said the Board of Trade would consider the matter sympathetically.

# New Companies
## and Company News.

P.C. means Private Company and R.O. Registered Office.

L. B. Holliday & Co., Ltd. (P.C.).—Capital 250,000*l.* Objects: To take over the business of chemical, colour and dyeware manufacturers, carried on as "L. B. Holliday & Co." at Deighton, Huddersfield. R.O., Deighton, Huddersfield.

Celesta Manufacturing Co., Ltd. (P.C.).—Capital 3,000*l.* Objects: To carry on the business of manufacturers of and dealers in all kinds of medicinal, pharmaceutical, chemical and other preparations, cordials, liqueurs, tonics, soups, syrups, foodstuffs, etc. Solicitors: Jenkins, Baker & Co., 17 Gresham House, London, E.C.

Forman Wood Distillation Co., Ltd. (P.C.).—Capital 5,000*l.* Objects: To carry on the business of distillers and carbonisers of wood (and the recovery of by-products therefrom), manufacturers of charcoal of any form or description, manufacturing chemists, wholesale druggists, chemical manufacturers and engineers, etc. R.O., 30 Gordon Street, Glasgow.

Zirconium Syndicate, Ltd. (P.C.).—Capital 20,000*l.* Objects: To exercise, develop, complete, and turn to account certain interests, inventions, materials, and products mentioned in an agreement with H. E. Coley, L. Eyben, P. M. Gotte, P. S. Nicholson & Co., and C. Hose, to acquire any mines, mining rights, and metalliferous lands in Brazil or elsewhere, and in particular any lands containing zirconium minerals, etc. R.O., 6 East India Avenue, London, E.C.

Wm. Browning & Co., Ltd. (P.C.).—Capital 21,000*l.* Objects: To take over the business carried on at Albert Works, Camden Town, N.W., as "Wm. Browning & Co.," and to carry on the business of chemists, druggists, oil merchants, drysalters, manufacturers of and dealers in mineral waters, wines, cordials, liqueurs, soups, broths, restoratives, and invalid foods, etc. R.O., Albert Works, Park Street, Camden Town, London, N.W.

Midland Laboratory Guild, Ltd. (limited by guarantee). Objects: To promote, maintain, and control research and other scientific work in connection with the non-ferrous trade or industry, as also any other metal trade or industry carried on by any one or more members of the company for the time being, to establish, equip, and maintain chemical, metallurgical, physical, and mechanical laboratories, etc. R.O., King Alfred's Place, Off Broad Street, Birmingham.

National Metal and Chemical Bank (P.C.).—Capital 1,000,000*l.* Objects: To carry on in the United Kingdom and any part of the world the business of banking in all its branches, including the borrowing, raising, taking up, lending, or advancing of money, the discounting, buying and selling of and dealing in bills of exchange, promissory notes, coupons, drafts, bills of lading, warrants, debentures, certificates, scrip, and other instruments and securities, the granting and issuing of letters of credit and circular notes, the acquisition, holding, issuing on commission and underwriting of stocks, funds, shares, debentures, securities, and investments, the collection and transmission of moneys and the management of property; also to prospect, examine, explore, and work properties, mines, and rights, and to carry on business as metal dealers, brokers, mercantile investment and general merchants, agents and brokers, consulting engineers, contractors, chemists, assayers, carriers, etc. R.O., 70 Lombard Street, London, E.C.

W. J. Bush & Co., Ltd., have declared a second interim dividend of 2½ per cent. (6*d.* per share), less tax, on the ordinary shares.

Joint-stock Companies.—Notice is given in the "London Gazette" that the names of the undermentioned companies have been struck off the Register and the companies dissolved: Bakelite Co., Ltd.; Dr. De Boi Co., Ltd.; Oil Nut Kernel Extractors, Ltd.; Reversible Bifocal, Ltd.; and Tropical America Copra and Produce, Ltd.

Swiss Chemical Dividends.—The Society for Chemical Industry, Basle, shows a net profit of 409,000*l.* for the half-year, against 504,000*l.* for the previous year, and is paying a dividend of 12½ per cent., against 25 per cent. and a bonus of 25 per cent. last year, and is also giving the shareholders one new share for every four shares now held. Before the war the average profit was about 200,000*l.* and the dividend 16 per cent.—The Sandoz Chemical Works, Basle, announce a dividend of 25 per cent. and a bonus of 100 per cent.

National Drug and Chemical Co. of Canada, Ltd.—The report for the year ended January 31, 1918, states that, after paying all trade expenses, salaries to directors and officers, providing for bad debts, as well as paying dividends on the cumulative first preference shares and the 7 per cent. preference shares, there is a balance of $106,838 left, equal to 21,953*l.* The profit-and-loss account shows that the trading profit, after making provision for war taxation, was $262,580, equal to 53,954*l.* This result may be considered satisfactory when the conditions that Canada is passing through are remembered. The sales in 1917 of Montserrat lime-fruit juice, as well as those of the company's other advertised products, were very satisfactory, having in almost every instance shown a substantial increase over the preceding year.

Smith, Stanistreet & Co., Ltd.—This firm, which has been in existence since 1821 in the same premises at 9 Dalhousie Square, Calcutta, has now been converted into a limited-liability company, the capital being Rs. 15,00,000 (106,250*l.*), of which only Rs. 5,00,000 (35,416*l.* 13*s.* 4*d.*) is being issued to the public in the form of cumulative 7 per cent. preference shares, the ordinary shares, Rs. 10,00,000 (70,833*l.* 6*s.* 8*d.*) (fully paid), being retained by the vendors as part of the purchase consideration. The managing directors are Lieut.-Colonel W. T. Grice, C.I.E. (chairman), Mr. D. S. Richmond, and Mr. H. W. Thomas, all of whom have been associated with the firm, first as assistants and later as partners, for over twenty years. Incidentally, the business is by far the largest limited company in India devoted to purely pharmaceutical work. Smith, Stanistreet & Co., Ltd., write that "the Indian Government has at last recognised the necessity for the encouragement of the utilisation and manufacture of indigenous raw materials in India, instead of allowing them to be exported to other countries for manufacture. Before the war the bulk of them went to Germany for this purpose, and after the war there will be a very wide field for expansion for soundly organised firms of this nature, and considerable scope for the employment of capable chemists who wish to travel afield. The variety of work and of the problems that arise for solution by the wholesale and manufacturing chemist in India (where precisely every industry is more or less dependent on the chemist) makes work in this country strenuous, but extraordinarily interesting; and for ambitious young chemists with good all-round knowledge and a capacity for sustained hard work few, if any, countries offer such opportunities as India, which is now only commencing to realise the opportunities and investigate the possibilities of manufacture which have lain dormant and unobserved."

Ice and Ammonia.—The "Chicago Tribune" states that a rise of from 50 to 60 per cent. in the cost of ice is predicted, on account of the United States Government requisitioning a large portion of the ammonia-supply.

## Births.

Cutcliffe.—At 8 West Hill Place, Brighton, on May 24, the wife of Charles Cutcliffe, pharmacist, of a son.

Leicester.—At Shaw Lodge, Shaw, Oldham, on May 22, the wife of Charles Leicester, pharmacist, of a daughter.

## Marriages.

Coombes—Douglas.—At the Parish Church, Great Missenden, on May 18, Lancelot, eldest son of Mr. G. J. Coombes, chemist and druggist, High Street, to Edith May, youngest daughter of Mr. R. Douglas, Great Missenden.

Hunt—Castle.—At Cardiff, on May 21, Percy George Hunt (representing Edward Cook & Co., Ltd., Bow, London, E.) to Florence Belinda Castle.

Laws—Parr.—At the Congregational Church, Fordham, on May 17, by the Rev. L. Haslett, Second-Lieutenant J. J. Laws, Royal Fusiliers, eldest son of Mr. John Joseph Laws, chemist and druggist, Hampton-on-Thames, to Emily, youngest daughter of Mr. Parr, New Path, Fordham.

## Deaths.

Brooks.—At 46 Bradford Street, Bolton, on April 29, Mr. John William Brooks, chemist and druggist, aged forty-five. The son of a former Mayor of the town, Mr. Brooks was well known in Bolton, and his loss will be widely felt. The funeral took place at Great Lever on May 3. Among the numerous wreaths was one from the Bolton Pharmacists' Association; one from the Goulburn Lodge of Freemasons, of which Mr. Brooks had been a founder, Secretary, and Past Master; and one from the Royal Arch Masons, of which Lodge also he had been Secretary. Bro. H. P. White, chemist and druggist, was present as the representative of pharmacy and Freemasonry.

Kelly.—At a nursing home in Cape Town, on March 15, Mr. Samuel Kelly, Ph.C., second son of the late Professor Patrick Kelly, Ph.C., Dublin. The funeral took place at Maitland Cemetery, Cape Town.

Picton.—At Westleigh, Lower Walton, Warrington, recently, Mr. John Taylor Picton, chemist and druggist, aged seventy-five. Mr. Picton was a native of Warrington, and began his career in pharmacy there under the supervision of his father, who carried on business with Mr. J. Hatton as junior partner. Mr. J. T. Picton subsequently went into business on his own account in Bridge Street, retiring about twenty years ago. He was an accomplished vocalist and actor, and assisted in founding the Warrington Amateur Dramatic Society, in the performances of which he frequently appeared with distinction. He leaves a widow, two sons, and two daughters.

Pimm.—At Tamworth Villa, Kimberley, South Africa, on March 31, the wife of Mr. R. H. Pimm (Pimm, Ltd., chemists, Kimberley and Beaconsfield).

### Died on Service.

Black.—Lance-Corporal David Black, King's Own Scottish Borderers, was killed in action on April 23. Lance-Corporal Black was the eldest son of the late Mr. James Black, J.P., chemist and druggist, Leslie, another of whose sons, Captain J. R. Black, M.C., is reported a prisoner of war (*C. & D.*, April 27, p. 34).

Clark.—Lance-Corporal Harry Clark, R.A.M.C., has been killed on service through the action of hostile aircraft. Lance-Corporal Clark served his apprenticeship in pharmacy with J. Fletcher & Son, chemists, Scunthorpe.

Jones.—Captain George F. Jones, M.C., Shropshire Light Infantry, has been killed in action in France, aged twenty-six. Captain Jones was, when war broke out, an assistant with Mr. O. R. Windemer, Ph.C., Royal Parade, Harrogate, and enlisted shortly afterwards. He received his commission in April 1917.

Massey.—Private Harold Massey, Middlesex Regiment, has been killed in action. Prior to joining the Army Private Massey was with Mr. W. Greenhalgh, manufacturing chemist, Radcliffe.

Mond.—Lieutenant Francis L. Mond, Royal Field Artillery and Royal Air Force, was killed in action in an air fight on May 15. Lieutenant Mond was the eldest son of Mr. Emile S. Mond (a director of Brunner, Mond & Co., Ltd.), and a grandson of the late Ludwig Mond.

Morley.—Lieutenant John K. G. Morley, R.E., has died of wounds received in action, aged twenty-seven. Lieutenant Morley, who at the outbreak of war was with Mr. R. Lord Gifford, Ph.C., Blackburn, enlisted soon after; he received his commission in October 1916. He was a B.A. of London University.

## Personalities.

Mr. C. N. Jones has been appointed general manager of the Milton Manufacturing Co., Ltd., 125 Bunhill Row, London, E.C.

Mr. A. H. Haydon, who has represented Southall Bros. & Barclay, Ltd., for many years, has resigned his position, and is now a private in the A.S.C. (M.T.) attached to a water-filtering column of the R.A.M.C.

Mr. William Shadforth, Ph.C., 63 Grove Road, Bow, London, E. 3, whose vigorous protest in regard to the Venereal Disease Act was referred to in this column a few weeks ago, is following up the matter with a series of open letters in the "Bethnal Green News" to Sir Edwin Cornwall, M.P. for N.E. Bethnal Green and Chairman of the National Health Insurance Commissioners. That the letters are forcibly expressed goes without saying.

## Wills.

Mr. Wm. Marson, J.P., chemist and druggist, Stafford, who died on February 14, left estate of the gross value of 13,389*l.* 19*s.* 5*d.*, with net personalty 6,477*l.* 14*s.* 1*d.*

Mrs. Frances S. Williams, Garden House, Cornwall Gardens, South Kensington, widow of J. D. Perrins, of Lea & Perrins, sauce-manufacturers, Worcester, left estate valued at 427,691*l.*

Mr. John Edward Bryant, 45 Kingswood Avenue, Brondesbury, of C. H. Bryant, Ltd., manufacturing chemists and drug-dealers, who died on May 27, intestate, left property of the gross value of 36,995*l.* 4*s.* 6*d.*

Mr. John Kerr Forrest, Brae Lea, Austen Road, Guildford, formerly connected with Sumner & Co., Liverpool, Davy, Yates & Routledge, London, and Felton, Grimwade & Co., Melbourne, who died on March 12, aged sixty years, left estate valued at 1,635*l.* 0*s.* 9*d.* gross, with net personalty 429*l.* 12*s.* 11*d.*

Dr. Edmund Albert Letts, F.I.C., F.C.S., 6 Dunelin, University Road, Belfast, who died on February 19, left personal estate in the United Kingdom valued at 2,185*l.* 2*s.* 3*d.* The testator left his collection of minerals to Queen's University, Belfast, and on the death of his wife 2,100*l.* for the endowment of a scholarship in the University.

## Business Changes.

Macandrews & Forbes, Ltd., manufacturers of "V.B.," "B.X.," and "Apollo" liquorice, have removed to larger premises at 2 Broad Street Place, London, E.C. 2.

Mr. A. J. Spyer, pharmacist, has purchased the business of the late Mr. G. W. Benson, 146 Great Portland Street, London, W. 1, which he will carry on under the style and title of Benson & Co.

Mr. A. W. B. Scott, 38 Rue du Mont-Thabor, Paris, has since January 17 closed the branch office which he had at 1 Ducksfoot Lane, London, E.C. No person since that date has any authority to use his name and address.

Carica Papaya.—The American Consul-General (Mr. G. E. Anderson) at Hong-Kong, in a recent report to his Government, says that there is something of a boom in the growing of the papaw (*Carica Papaya*) in the Far East at present. In the past two years there has been increased demand for the fruit in Hong-Kong, and market-gardeners have commenced to grow it on a more extensive scale, so that papaws are now generally to be had at the public market stalls. The Agricultural Department of the Canton Christian College has been studying the cultivation of the fruit in the Pearl River delta, and has issued a comprehensive and detailed monograph on the subject.

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# Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

*(From "The Trade-marks Journal," May 8, 1918.)*

"The Rito Smile" under picture of smiling man; for chemicals (2). By the Molassine Co., Ltd., Tunnel Avenue, East Greenwich. 382,055. (Associated.)

"Kuranol"; for medicinal chemicals (3). By Roberts & Co., 76 New Bond Street, London, W. 1. 380,954.

"Kemolax Brand Laxative"; for medicinal chemicals (3). By M. F. Pratt, 7 Wybert Street, London, N.W. 1. 381,333.

"Pavon Brand Standardised Full Opium Extract"; for a pharmaceutical product containing all alkaloids of opium (3). By Society of Chemical Industry in Basle, 141 Klybeckstrasse, Basle. 381,713. (Associated.)

"Cremamine" and "Chlonacrem"; for medicinal chemicals (3). By Boot's Pure Drug Co., Ltd., 37 Station Street, Nottingham. 381,814/5.

"Pertozone"; for all goods (3). By T. W. Ferguson, 335 Cathcart Road, Glasgow. 381,871.

Oval device of girl with split in head; for a medicine (3). By Daisy, Ltd., Mammoth Works, Leeds. 382,090. (Associated.)

Picture of statue of man; for porcelain and earthenware (16). By S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1. 382,167. (Associated.)

"Coronoid"; for beverage preparations (42). By W. T. Hickman, Oakleigh, Hale End, E. 4. 381,258.

"Nucotol"; for animal foods, etc. (42). By John Knight, Ltd., Silvertown, E. 16. 381,807. (Associated.)

"Runna Foot Comfort" and facsimile signature on label ("Runna Foot Comfort" disclaimed), for foot-powders (3); "Ridakoff," etc., and signature on label ("Ridakoff" disclaimed), for cough-cures (3); "Dethnit Kills Nits" and signature on label ("Dethnit" disclaimed), for medicated nit-destroyers (3); "Sugaroid Brand" and signature on label ("Sugaroid" disclaimed), for sugar substitutes (42); "Rosella Creme de Beaute" and signature on label ("Rosella" disclaimed), for toilet-creams (48). By P. G. Dales, 8 Barnsley Road, Stairfoot, near Barnsley. 381,399/400/936/938, 381/401 (associated).

"Suction"; for teeth-preparations (48). By J. M. Coplans, 9 Golders Gardens, Golders Green, N.W. 4. 382,078.

"Fleurs Enchantees," "Brise du Soir," "Les Esprits du Nil," "Jaddin Secret," "Allegro," "Revelation"; for perfumery, etc. (48). By the Standard Tablet Co., Ltd., Hove. 382,433/702/703/704/705/706.

*(From "The Trade-marks Journal," May 15, 1918.)*

"Diomet"; for photographic developers (1). By White Band Manufacturing Co., Ltd., 121 Selsdon Road, South Croydon. 380,785.

"Milton" on oblong and diamond-shaped device ("Milton" disclaimed); for bleaching-fluid (1) and (47), and for disinfecting-fluid (3). By Milton Manufacturing Co., Ltd., 125 Bunhill Row, E.C. 1. 382,490/492/491. (Associated.)

"Turtle" over picture of same; for chemicals (2) and for a polish (50). By Lever Brothers, Ltd., Port Sunlight. 381/492/3. (Associated.)

"Harley's Three Salts" with device of figure 3 and hand with three fingers extended ("Harley's Three Salts" and "3" disclaimed); for a medicine (3). By T. Harley, 29 High Street, Perth. 381,571. (Associated.)

Picture of stork standing on bottle bearing words "The Stork Specific Cures Influenza"; for an influenza liquid medicine (3). By C. Yeoman, 137 Half Moon Lane, Herne Hill, S.E. 24. 381,618.

"Scurocaine Brand Pharmaceutical Product"; for a medicine (3). By Société Chimique des Usines du Rhône, 89 Rue de Miromesnil, Paris. 382,035. (Associated.)

"Anti-Gripe Brand Mixture for Babies" and facsimile signature ("Anti-Gripe" disclaimed); for medicines for infants' ailments (3). By P. G. Dales, 8 Barnsley Road, Stairfoot, near Barnsley. 382,183. (Associated.)

"Popcorn"; for an ointment (3). By T. A. Greatorex, 25 Percy Street, London, W. 1. 382,657.

Device with lettering "M.P." and "British" ("T" and "M.P." disclaimed), device with lettering "Scotland" ("T" disclaimed), device over letter "T" ("T" disclaimed); for glass laboratory ware, etc. (15). By John Moncrieff, Ltd., St. Catherine's Road, Perth. 381,924/5/6. (Associated.)

Picture of statue of man; for glass goods (15). By S. Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1. 382,345. (Associated.)

"A-Aye Brand" over device formed of letter "A" ("A-Aye Brand" disclaimed); for food-substances (42). By Warrick Brothers, Ltd., 6 Nile Street, City Road, N. 1. 381,552. (Associated.)

Picture of milestone with words "It's a Long, Long Way"; for food-substances (42). By South Irish Milk Co., Ltd., 69 Mark Lane, E.C. 3. 381,659.

"Forget-Me-Not"; for all goods (42) and for polishes (50). By "Forget-Me-Not" Flours, Ltd., 15 and 17 Parkinson Street, Nottingham. 382,571, 381,481. (Associated.)

"Velvashave"; for shaving-soap, etc. (48). By the Standard Tablet Co., Ltd., Hove. 381,684.

"Lolin" and "Loo-Loo"; for all goods (48). By A. Carreras, 207 King Street, Hammersmith, W. 6. 382,372/374. (Associated.)

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# Trade Notes.

Warnol.—The retail prices of Warnol have now been increased to 1*s.* 2*d.*, 2*s.* 9*d.*, and 4*s.* 9*d.*

Algerian Kieselguhr is offered by Algerian Produce, Ltd., 20 Great St. Helen's, London, E.C. 3.

The Telephone Numbers of Goodall, Backhouse & Co., White Horse Street, Leeds, are now "Leeds 20435-8" (four lines).

Owbridge's Lung Tonic is from June 1 protected at face-value—viz., 1*s.* 3*d.*, 3*s.*, and 5*s.* The opportunity has been taken of increasing the profit to the retailer.

Pylitna Powders.—G. S. Mumford & Sons, Farringdon Road, London, E.C. 1, are offering special wholesale prices to chemists who will co-operate with them in pushing the sale of Pylitna powders. The retail price of the powder is now 5*s.*

Arthur Berton, Ltd.—In the advertisement of this company which appeared in the *C. & D.*, May 25, an error was made in inserting the old prices for carbolic tooth-powder. Will our readers please note that the prices should have been 16*s.* per gross tins for the small size and 24*s.* per gross for the large size?

Newman's Fortreviver.—The success which has been attained since the introduction of Newman's Fortreviver is so great that, owing to shortage of staff, orders are being executed in rotation. Until the orders on hand are completed new accounts cannot be opened, but so soon as the pressure is relaxed the trade will be advised.

Cicfa.—Capsuloids (1909), Ltd., 8A Duke Street, Manchester Square, London, W. 1, state in their advertisement that there has not been, nor is there now, any shortage of Cicfa. In cases where supplies cannot be obtained through the usual sources the company offer to chemists telegraphic facilities for the purpose of obtaining their goods.

Antiseptic Foot-tablets.—Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, in their advertisement this week, deal with their antiseptic foot-tablets, which are in great demand during warm weather. The tablets are packed in neat tins, and when the tablets are dissolved in water an antiseptic lotion results, which has a soothing and purifying effect.

Price-changes.—The minimum retail prices, which are also face-values, came into force on May 31 for Harvey's Remedies for the Horse: Harvey's Embrocation or Curb Bottle, 3*s.* 9*d.*, 7*s.*, 21*s.*; Harvey's Aconite Powders, 2*s.* 8*d.*, 10*s.* 6*d.*; Harvey's Worm and Condition Powders, without ball 3*s.*, with ball 3*s.* 9*d.*; for yearlings and foals, 3*s.*; Harvey's Red Lotion, 1*s.* 10*d.*, 2*s.* 9*d.*, 5*s.* 6*d.*; Edos, 9*d.*; Harvey's Hair-restoring Ointment, 1*s.* 6*d.*; Harvey's Physic Balls, 9*d.*; Harvey's Koppos Powder, 5*s.*, 10*s.*; Harvey's Thrush Specific, 1*s.* 9*d.*, 3*s.*; Harvey's Hoof Ointment, 3*s.* 6*d.*

# Information Department.

## INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

88/42, "Enterprise" urethral syringe
88/46, "Thymoldine" tooth-paste
89/43, Fluid hygenique (Eady Chemical Corporation)
87/70, Liquor zirol and liq. novozirol dental anæsthetic
89/52, Dare's hæmoglobinometer
91/51, Reeve's patent instep support
89/46, "Cutex": supplies here

## INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, The Chemist and Druggist, 42 Cannon Street, London, E.C. 4:

"Antiphlogistine," 76/7
"Antipon," 74/15
Anturic bath-salts, 72/50
"Borothymol," 23/4
Box's giant cement, 30/36
Bromley's talking-cards, 2/14
"Bromo" toilet-paper, 68/66
Conules ephederin co., 58/73
Cooper's euprio test pellets for sugar, 79/16
Corking machinery, 48/54
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"Veldt" cream, 43/29
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# Observations and Reflections.

By Xrayser II.

**Mr. Dott's Article**

on the Qualifying examination is especially to be commended at this time, for though the percentage of passes was rather higher than usual last year, the need of registered men was never so great. I am not suggesting that the examination should be relaxed below efficiency point, but that we cannot now afford, as perhaps we could at one time afford, a fancy standard of qualification. Certainly many men who are in all essentials perfectly competent to exercise the calling of a chemist and druggist are rejected at every examination. The very best assistant I ever had was ploughed over and over again, and at length left the trade in disgust, and I have known cases such as Mr. Dott refers to of men being rejected because they had no special acquaintance with some particular examiner's pet subject.

**A More Careful Study**

of the presidential address at the annual meeting than I was able to make last week confirms the impression that in the art of saying nothing at great length and re-saying it in slightly different terms Mr. White stands unrivalled among pharmaceutical orators. It is a most useful gift for any public speaker, and for such a Council as ours has lately been Mr. White is an ideal President. The repetitions by which he spun out what he had to say about the curriculum scheme may be cited in proof; almost every statement was repeated two or three times without getting us "any forrader," and we were left at the end precisely where we were at the beginning. Or look at what was said of the examinations. Mr. White admitted that he had not much to say. He had not, but he took about 500 words to say it in. What did it all amount to? That he foresees a time when the Qualifying and Preliminary examinations will have to be seriously considered, and when the latter may disappear altogether; that the Major is not quite in touch with the times, and will have to be altered some time, though not yet; and, of course, that when the time comes the Council will be able to deal with the matter. This is news indeed. Mr. White tells us he has gained his Pisgah, and the prospect thence seems to suffice him. *Absit omen!*

**The Chemists' Defence Association**

should have its attention called to a notice which appears on the delivery forms of several carrier companies to the effect that if goods are signed for without examination, and delivery afterwards proves to have been from any cause incomplete or the goods damaged, the receiver has no remedy, and that the words "signed unexamined" have no legal force and will not be accepted as evidence of default. I cannot believe that this is good in law, and it ought certainly to be tested. In any case it is most unjust. It is quite impossible in a vast number of cases to keep a carter waiting while a miscellaneous hamper of goods is being examined; he simply would not wait, and if he did an examination in such circumstances would of necessity be more or less imperfect. Moreover it frequently happens that goods arrive before the invoice, in which case checking is absolutely impossible. Whether the liability for shortage or damage lies with the carrier or the sender depends in equity upon circumstances, but liability there must surely be, and such a notice as that referred to ought not to enable either party to evade it.

**"Felon,"**

as the name for the disease in cattle for which you gave a recipe the other week, is a very interesting word, and, if the derivation favoured by the late Sir James Murray is correct, its original sense is better preserved in this particular use than as applied to a malefactor. It is, we are told, probably a derivative of the Latin *fell—fel*, gall—and refers to the bitterness, or "venom," of gall, the two notions being closely associated in the popular mind. In its earliest use in medicine it meant a small abscess, or inflamed sore in men and animals; it is now, at least in my neighbourhood, used mainly of whitlows in the human subject, and of an affection of cattle resulting from checked perspiration, and causing soreness of the skin and other local inflammation.

**The Cambridge Poisoning Case**

reported last week shows once more the irrationality of coroners and coroners' juries with regard to the duties of the chemist. In a case of accidental poisoning the reflections made on the seller of the poison might have had some relevancy; in one of suicide they were simply impertinent. It is monstrous that where nobody was to blame but the victim herself censure, even by implication only, should be passed on anybody else.

**The Disappearance of Saccharin**

from chemists' shops gives the brilliant writer in "The New Statesman" who signs himself "Sardonyx" an opportunity for a gibe at the craft, of which he takes full advantage. "The chemist . . . puts on a perfectly blank smile and says that he has no more saccharin and can't get any. No use ingeniously cross-examining him! He doesn't know when he will be able to get a fresh supply. He hasn't the slightest idea about anything at all. He exists apparently quite content amid the most disconcerting enigmas. . . . The chemist's resolve to be an honest simpleton ties your tongue. And you go from shop to shop. No saccharin anywhere, not even at the club. Saccharin has vanished like gold in a revolution." It is all too true. But why is it so? Is there no saccharin, and if not why not? and what a figure for us to cut in popular estimation!

**The Apparent Anachronism in Scott**

to which I called attention in a recent note does not consist in representing Henbane Dwining as practising physic on his own account, but in his being spoken of throughout the story, by people of all conditions, as at once an apothecary and a physician. It is therefore not quite pertinent to cite the apothecary in the Nonne Prest's Tale in support of Scott. That apothecaries did prescribe and practise long before they had any legal right to do so, or were even popularly classed as doctors, is no doubt true. It is not, however, the apothecary in the Tale referred to that prescribes for Chaunteclere, but Dame Pertelote (I quote from Morris's text, not having Skeat's at hand), and her large acquaintance with drugs and their uses may be taken as evidence that doctoring was by no means confined to any professional class. This, however, does not, as I say, touch the point. The passage I quoted from the Prologue seems to me decisive as to the fact that apothecaries were then pretty sharply distinguished from physicians by well-instructed people.

**The Instinct of the Herd,**

says Mr. W. Trotter in his thought-provoking book "The Instinct of the Herd in Peace and War," makes man remarkably susceptible to leadership, but this quality in him has no sure rational basis, for commonly the qualities upon which the authority of the leaders rests do not appeal to reason but to instinct merely. Fluency, a gift of dextrous and ready speech—this is the one indispensable requisite for statesmanship (he means, I presume, for the politician), and if to this is added the power of moving the feelings deeply, nothing else is necessary. Arduous training and knowledge of affairs may be dispensed with, while receptiveness to new ideas is rather a disadvantage than otherwise, since originality is by most people mistrusted. "The successful shepherd thinks like his sheep, and can lead his flock only if he keeps no more than the shortest distance in advance." If this is true—and we need not go far for instances of its truth—progress for us pharmacists is only possible in response to pressure from below; we must not look to our official guides either for initiative or for ready effort. The craft itself must force the movement, but it can only do so as the "herd" becomes impregnated with progressive ideas. Here we have shown to us the need and the value of the P.P.C., which exists mainly for this end, and is the only organised force of the kind that we have.

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**Important Announcement.**

The Directors of Allen & Hanburys, Ltd., take this opportunity of thanking their many customers and friends for the expressions of sympathy and kind offers of help which they have received.

Fortunately the fire occurred at a time when no one was on the premises.

Notice will be given in the Trade Papers when they will be able to resume normal business; meanwhile other houses have kindly undertaken temporarily to supply their customers' requirements in drugs.

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# Editorial Articles.

## Enemy Trading.

THE question of trading with the enemies of this country is not now quite such a burning one as it was two or three years ago. The Report, just issued, of the Committee appointed in 1916 to advise the Board of Trade on matters arising under the Trading with the Enemy Amendment Act, is, however, still of absorbing interest as an *exposé* of the penetration methods of the wily Hun. Up to now the Committee have held 139 sittings, at which

interested persons gave their views, and 960 separate cases have been dealt with—not at all a bad record; and it is comforting to know that although cases are still being discovered and brought up for consideration, their number is not great. In explaining the mode of procedure and the lines on which the Committee worked, the Report states that the members were almost immediately convinced that, in cases in which businesses formerly carried on mainly for the benefit or under the control of enemy subjects were useful and successful, it was more in the national interest to transform them into British businesses rather than wind them up. On many occasions, therefore, they recommended that the interests should be vested in the Custodian for sale, and in this way a large number of useful businesses are now being carried on in British hands. When the business did not appear of sufficient trade importance to vest in the Custodian a winding-up was ordered. Sanatogen (Wulfing & Co.) is cited as an illustration of a business which has passed into British hands by sale in the winding-up proceedings. The "naturalised subject" problem was an intricate one to deal with, and the Committee quickly came to the conclusion that enemy subjects, who had married British wives and had British-born children, who had come to this country in the 'seventies or 'eighties and had had no connection with their country of origin for many years, even although not naturalised, were as much entitled to consideration as many of those who have come to England, especially of recent years, and have become naturalised.

> The Committee have a strong suspicion that in many instances British nationality has been adopted purely as an armour of defence, and it is not improbable that the adoption of it has been made a condition of financial support. . . . If, however, German trade penetration is to be fully dealt with, some of the cases in which it is carried on by recently naturalised Germans would seem to require consideration.

Suspicious examples in support of this point of view are given. In considering the matter of "friendly aliens"—Czechs, Christian Armenians, Spanish, Portuguese and Polish Jews, etc., a question arose as to the position of merchants carrying on business in Egypt. At the outbreak of war these were Turkish subjects, and the question to be decided was what their nationality was after the British Protectorate was proclaimed. After hearing various counsel it was ultimately decided that after the Proclamation they became Egyptian subjects. In a synopsis of the businesses considered and dealt with by the Committee there were thirty-two engaged in the chemical trade, seventeen in the dye, colour, and varnish trades, seven in the optical, glass, and photographic industries, nine dealing in surgical and medical goods, and four in waxes and gums. These, the Report states,

> have varied in importance, from the Siemens business with a capital employed of over 2,000,000*l.*, and the Badische Co., Ltd., with an annual sale of 354,000*l.* of dyes, to that of a tailoring business with a profit of 150*l.* a year.

In the course of the inquiry the necessity for the compulsory registration of names was fully demonstrated, foreign traders having habitually substituted British names for their own for the purpose of misleading the public as to their nationality. On one day the Committee investigated four cases of that kind where the firms implicated had lived under these aliases for years. The practice of adopting the word "British" or some such title or name to disguise the fact that the business is German is now well known, and the Report comments specially on the remarkable extent to which German businesses were conducted through a British staff and by British employés.

> Even in the case of the dye-industry the staff of chemists employed in the important service of advising upon the application of the dyes to the stuffs to be dyed were almost entirely British, and when branches were established in this country for the manufacture of German patented articles they were usually British-manned. In many of these cases, by the operation of Section 4 of the Act, the British managers and employés are now carrying on the businesses on their own account, and the businesses have become British businesses.

The methods by which German influence gained control of certain trades carried on in this country are exposed, as well as the means German producing-houses adopted to avoid the payment of income-tax in this country. The Report (Stationery Office, 1*d.*) should be preserved in the archives of every British business house as a reminder and warning for the future. It is safe to predict that "trade penetration," like many other German tricks, is scotched for evermore.

## "The Quest for Cinchona."

THE chapter thus headed in Admiral Sir Albert H. Markham's "Life of Sir Clements Markham" (Murray, 15*s.*) contains one of the most romantic stories in the history of medicine, a story worthy of the pen of a poet. No single chapter, indeed, can exhaust its interest, which begins in 1842, when Markham was a boy of eleven, living in his father's rectory at Great Horkesley in Essex. At this age he wielded a facile pen, and among the multitude of literary "works" he poured forth was a history of Peru, as well as a treatise on geography, which foretold the future traveller and Secretary of the Geographical Society. This natural bent was confirmed by his appointment in his fourteenth year to a naval cadetship on board the *Collingwood*, in which he spent four years on the Pacific Station. On the voyage out he taught himself Spanish, so that on the ship's arrival on the South American coast he was able to converse in the language, and lost no opportunity of acquainting himself with the country and its people. The history of the Incas of Peru, the subject of one of his latest books, had a special fascination for him, and he spent every moment he could snatch from his official duties in visiting the historical sites accessible to him, and in familiarising himself with their story. At the end of two years he had definitely resolved to leave the Navy (with the harsh discipline and barbarous punishments of which he was disgusted) so soon as he was of an age to act independently. In his twenty-second year, having in the meantime served with credit in the Pacific, the Mediterranean, and in the first expedition in search of Sir John Franklin, he obtained his father's consent to this step, and at once proceeded to realise the dream of his youth by starting on a journey of exploration in Peru. His father gave him 500*l.* for the expenses of the trip, and stipulated that he should return within twelve months. Markham had, during his winter in the Arctic, acquired some knowledge of Quichua, the language of the Incas, from a grammar picked up at Lima, and had made himself proficient in the literature of the subject. He took Boston in his way to the Pacific coast, for the purpose of consulting Prescott, the historian of Peru, from whom he got both information and advice; and on his arrival at Lima on October 16, 1852, he was, so far as knowledge is concerned, fully equipped for his undertaking. Two months were spent at Lima in preparation for the inland journey, and in December he started for Cuzco, the city of the Incas, accompanied only by a black soldier furnished by the Peruvian Government, who, however, proved "useless, and certainly no ornament." The journey across the Andes, always difficult, was made doubly so by being undertaken at the worst period of the year; it occupied about fifteen weeks, much time being lost through storms of snow and rain and the consequent swollen state of the rivers. At Cuzco, where he remained for two months, Markham saturated himself with the lore of the country that had laid its spell upon him, and the magnificent scenery of the neighbourhood increased his enthusiasm for research into everything connected with the life and history of its people. From Cuzco he made a three-weeks' excursion into the Montana, as the forest region on the eastern slopes of the Andes is called, and here he had his first sight of the cinchona-tree. Writing fifty-eight years afterwards in his history of the Incas, he thus refers to this discovery: "Here are seen the lovely cinchona-trees with their red-veined glossy leaves, and panicles of white flowers with pink laciniæ, emitting a delicious fragrance." The journey back to the coast was made by way of Arequipa, over passes from 14,000 to nearly 18,000 feet high, Cuzco itself being between eleven and twelve thousand feet above sea level. It was seven years after this that Markham, then an assistant in the

India Office, having persuaded Government to attempt the transplantation of the cinchona to our Indian possessions, was selected for the task, with four English assistants under him. Admiral Markham writes as if he had been the first to propose this attempt, which is, however, not the case. Twenty years before Royle had made the same proposal, and had even named the Neilgherry Hills as a suitable site for the trees, but nothing had come of this, and even the Dutch attempts to acclimatise the tree in Java had been only a modified success. The credit of Markham's success, first in persuading the authorities, and then in accomplishing the work, really rests with himself, though Royle had renewed his urgency so lately as 1852. Markham's assistants were Dr. Spruce, then residing in Ecuador, and Messrs. Pritchett, Cross, and Weir. The first three of these had each a special district allotted to him, and Weir accompanied Markham, the design in thus dividing forces being to secure as great a variety of species as possible. Markham chose the province of Caravaya, in the extreme south-east of Peru, near the Bolivian border, as his district, his particular object being *Cinchona Calisaya*, which flourishes most in that neighbourhood. Probably his was the most difficult task of all, for one of the chief obstacles to success was the jealousy of local Governments and people, which seems to have been most acute in Bolivia and along its border. This jealousy was perhaps natural, though unreasonable in view of the careless and wasteful manner in which the bark had hitherto been collected by them, which threatened to lead in time to the destruction of the forests. It is said that, as a matter of fact, Asiatic competition has proved a benefit rather than otherwise to the Peruvian industry, as it has both stimulated the demand for bark and led to greater care in its cultivation and gathering. Admiral Markham recounts most vividly the adventures, trials, mishaps, and final success of the searchers. Once or twice they were temporarily incapacitated by mountain sickness; at one time famine threatened to defeat them; and the lofty passes, frozen upland plateaus, stupendous gorges, dismal swamps, and all but impenetrable forests they had to traverse would have daunted any but the most determined spirits. To these natural difficulties must be added the opposition of politicians and interested persons both at headquarters and on the spot, the overcoming of which required no small tact and skill in dealing with men after the initial difficulties of discovering the trees had been surmounted. The longer the quest continued the more these moral obstacles increased, and Markham had to hurry over his task to prevent its being rendered abortive. He durst not wait until August, when the seeds are ripe, nor could he collect sufficient supplies of food and other necessaries to enable him to go far beyond his base at Sandia. He reached, however, the forest-covered valley of Tambopata, in which cinchonas were found in profusion, and here he collected several hundreds of specimens. The packing of these was barely completed when orders were sent into the district to prevent their exportation and to arrest Markham and his guide. He was advised by a friendly resident to destroy the bulk of his plants and content himself with smuggling a few of the best specimens out of the country. This he declined to do, and succeeding in evading the person charged with the duty of stopping him, he boldly struck across the Cordilleras by a direct compass course through the least inhabited district. Weir had already got off on the way to Arequipa with a portion of the spoil; Markham, with the rest, accompanied by only a single guide, made his way on mule-back over an incredibly difficult country to Vilque, and thence to the coast. Here further trouble of the same kind awaited him. The plants had been packed in Wardian cases, filled with soil to the depth of nine or ten inches, and were ready for embarkation, when an order was received from the Minister of Finance to stop them. Markham hurried to Lima and obtained the cancellation of this order. The cases were put on a boat for conveyance to the steamer waiting for them, but an attempt was made at the last moment by some local plotters to destroy the plants by means of boiling water. Fortunately this was discovered in time to prevent its accomplishment, and the precious freight was safely shipped for Panama. There is no need to continue the story, or to retell that of Markham's subsequent quest for suitable sites in India and the planting of the trees in that country and elsewhere.

## Names for Organic Silver Salts.

There is a very large business being done in colloidal silver and organic silver salts, which are employed in gonorrhœa and purulent conjunctivitis. Much confusion is caused, however, by the difficulty that medical men insist upon employing for these chemicals the trade-mark names belonging to Germans. It happens that most of these names are applied to drugs the patents for which have expired; the names, therefore, should no longer be on the Register of Trade-marks. We suggest that some Association representative of the fine-chemical industry should look into this matter and procure the removal from the Trade-mark Register of these marks, so that the trade in colloidal silver could be carried on unfettered. The names we refer to are:

Albargine (258119), patent 23507 of 1900, expired in 1914.
Argentamin (216096), patents 8429 of 1893 and 10845 of 1900, both expired.
Argonin (183707), patent 22191 of 1894, expired 1901.
Ichthargan (224343), patent 14389 of 1899, expired 1906.
Protargol (275299), patent 18478 of 1897, expired 1911.
Sophol (264445), patent 8407 of 1906, expired 1914.

These names all require sweeping off the Register of Trade-marks, on which they have no business to be at all. Medical men would then be free to name the particular form of organic silver salt which they desire to use without implying a product of German origin. Incidentally, Government Departments connected with the supply of drugs for the Forces would be spared the humiliation of asking quotations for German chemicals from British merchants.

## British Fine Chemicals.

The "British Medical Journal," in the first of a series of articles on "British Equivalents for German Medical Supplies," states that atropine, homatropine, and eserine were probably exclusively German before the war. It is perhaps an excusable statement for a medical paper to make, but it is interesting to note that Burroughs Wellcome & Co. have made pilocarpine and its salts since 1900, atropine and eserine since 1901, and homatropine since 1905. That these were not manufactured on a small scale only is proved from the fact that in 1911 an order was executed for 176 oz. of eserine sulphate, whilst on the outbreak of war the stock of British-made atropine was over 600 oz. The manufacture of fine chemicals of all kinds has been much extended in Britain since the war, but the exaggerated idea of German capabilities which was held in this country for many years is no longer to be tolerated. German chemical-works were organised for the manufacture of poison gases in warfare, and the foul reputation thus obtained will justly cling to their chemical products for all time.

## Coloured Methylated Spirits.

The Commissioners of Customs and Excise have issued a notice which states that, owing to the difficulty of obtaining supplies of wood naphtha, and as a temporary war measure, the composition of methylated spirits made on or after June 1 is to be as follows:

I. *Industrial Methylated Spirits:*
(*a*) Ordinary: Wood naphtha, 2 per cent.; mineral naphtha, ½ per cent.; spirits, 97½ per cent.; or
(*b*) Special: Wood naphtha, 3 per cent.; spirits, 97 per cent.

II. *Mineralised Methylated Spirits:*
Wood naphtha, 5 per cent.; spirits, 95 per cent., with mineral naphtha ½ per cent. and aniline dye (methyl violet) 0.025 oz. for each 100 gals. of spirits added to the mixture.

On and after August 1 the wood naphtha must be of such a character that not more than 20 c.c. is required to decolorise a solution containing 0.5 gram of bromine, and must conform to the other prescribed tests. The special industrial methylated spirits are intended to meet the requirements of authorised users who satisfy the local

Surveyor of Customs and Excise that the presence of mineral naphtha in the spirits would be detrimental to their products, and must only be supplied to customers whose official methylated-spirit requisition is marked by the proper officer with the word "special." A distinct account of the special industrial methylated spirits must be kept in the stock-book in the prescribed form; the stock must be kept and balanced separately, and every permit accompanying the spirits and the counterpart thereof must be clearly marked "special."

### Duty-free Tinctures for Indian Hospitals.

THE GOVERNOR OF BENGAL in Council has decided that from April 1, 1918, all firms in India which manufacture in bond shall be permitted to issue free of duty, upon indents of authorised officers, tinctures and other alcoholic preparations to the charitable hospitals and dispensaries which are admitted to the benefit of the concession of duty-free spirit. This is the subject of a Resolution of the Finance Department of the Government of Bengal dated February 1, 1918, in the course of which it is stated that in 1894 a system was inaugurated by which such charitable hospitals and dispensaries as were not entitled to indent for their supplies upon the Government medical stores might obtain tinctures and other alcoholic preparations at specially favourable rates. The main feature of the arrangement was the grant to Smith, Stanistreet & Co., Calcutta, of permission to obtain free of duty the amount of rectified spirit required for these preparations. Subsequently the modification was introduced that that firm should manufacture the preparations under bond, but should be exempted from paying duty on issues covered by indents from civil surgeons on behalf of medical institutions to which the concession applied. Furthermore, the concession, originally applicable to charitable hospitals and dispensaries in Bengal alone, was gradually extended to similar institutions in Assam, Bihar and Orissa, Central Provinces, and the Punjab. The Governor in Council is of opinion that the time has now come to re-consider arrangements made to suit circumstances prevailing twenty-five years ago. The success of the scheme then introduced was dependent upon the grant of a monopoly to one trustworthy firm, but the changes since made in the system of supply and the development of other firms of repute have now made the maintenance of the former monopoly unnecessary.

### Selling Morphine to Doctors.

A CORRESPONDENT of "The Times," who states that he is a medical man, writes to that paper as follows:

When passing through a Northern city a few days ago I was attacked by a painful illness, from which I suffer periodically at intervals of five or six months, and for which a small dose of morphia is a sovereign remedy. I at once made my way to the shop of the principal druggist in the city, wrote, *secundum artem*, a prescription for a 10-minim dose of Squire's solution of the bimeconate of morphia, and added my name and address and my medical qualifications. The lady pharmacist to whom I handed the prescription looked at it askance, and summoned the manager, who, after examining it, asked me if the medicine was for my own use, and on my replying that it was, said he was sorry he could not supply me with it. If the medicine was for a patient he could let me have it, but as it was for my own use he was prohibited from dispensing it.

Then follow many indignant remarks on the matter of some "preposterous regulation." The curious part of it is that there is no such prohibition against the supply of drugs to medical men. We suppose that the lady pharmacist and the manager refused to dispense the prescription on some personal grounds, but excessive caution should be avoided, otherwise chemists cannot claim to be carrying on business in the public interests.

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METHYLATED SPIRIT RATIONED.—The authorities of Lemberg have reduced the amount of methylated spirit purchasable against a coupon from 0.5 litre to 0.25 litre.

COAL "SAVING" IN AUSTRIA.—A coal "stretcher," which was held out as securing 50 per cent. economy in coal, great heating-power, and slow combustion, and has been sold recently in Vienna and the provinces, has been examined by the War Profiteering Office and found to consist of common cooking-salt, graphite, and a few cheap chemicals.

## London Chamber of Commerce.

THE thirty-sixth annual report of the Council of the London Chamber of Commerce, which has just been issued, shows that since the outbreak of the war the membership has increased by nearly 2,000, while the total receipts from all sources during the past year amounted to 42,428*l*. The report of the Chemical Trade Section is vague in its terms, and does not indicate that anything of a definite character had been attempted or acomplished during the past year. It states, for example, that the following matters were briefly discussed and referred for consideration to the various Sub-Sections: Suggested fiscal scheme, commercial organisation, Government assistance to "key" industries or industries of national importance, the unfair protection afforded by the patent laws to foreign holders of British patents, and co-operation with trade Associations.

The Section confined to the interests of proprietary articles, however, affords more detailed information relating to points of interest to chemists and druggists. With reference to the Bill introduced into the Parliament of Australia to amend the Commerce (Trade Descriptions) Act, 1905, it is stated that this measure provided that with regard to patent medicines and foods imported into Australia the Governor might, by regulation, require the registration of all imported medicines and foods, and that the proprietors should supply the Minister with an exact and complete statement of the ingredients. Separate representations were made to the Prime Minister of Australia, both by cable and by letter, protesting against the principle of the Bill on behalf of the Council of the Chamber, the Manufacturers' Section, and the Manufacturers of Infants' and Invalids' Foods Section. Owing to the political situation in the Commonwealth, no progress was made with the Bill until March 1917, when a cable was received stating that Parliament had dissolved without passing the Commerce Act. Although this Bill has been withdrawn, it is probable that attempts may be made to introduce a similar measure in the future, and the Committee have arranged with Mr. Cullen-Ward that he will watch the proceedings in the Australian Parliament on their behalf, and they have also forwarded to him for use if necessary printed statements setting out their objections to either the deposit or the disclosure of formulas. The Section learned by cable from Singapore that a Bill had been introduced into the Legislature which would, *inter alia*, give power to the Governor in Council to make rules requiring the vendor of a patent medicine to make a return disclosing its ingredients. Urgent representations were submitted to the Secretary of State for the Colonies, the Singapore and Penang Chambers of Commerce, and the Governor of the Straits Settlements, Singapore, requesting that an opportunity should be afforded to the Section to scrutinise its details and to present to the Legislative Council their reasons for objecting to the demand for formula-disclosure, or to any other clauses to which exception might be taken. The Colonial Office cabled the Governor, and received a reply that the Governor would propose to postpone making regulations under the Bill until time had been allowed for representations to be received, but in the meantime it was proposed to proceed with the Bill. Early in 1918 a Sub-Committee was appointed to prepare a statement of the objections of the Section to the disclosure or deposit of formulas for communication to the Colonial Office, the Governor of the Straits Settlements, and the Singapore and Penang Chambers of Commerce. Reference is also made to the question of disclosing formulas as a condition for the export of proprietary goods, the result of which was given in the *C. & D.*, March 23, p. 42. Other matters dealt with included a suggested South African Bill to restrict the sale of patent medicines, sheep-dips, etc., medicine stamp-duty, and sample-bottles. The Perfumery Manufacturers' Section, of which Mr. Eugene V. Barrett is Chairman, reports that the interests of its members had been watched in regard to applications for the registration of various words or devices, including "Idol," "Tudor Rose," "Carnation," "Sandalwood," and "Souvenir." The question of the supply of spirit for the trade became acute owing to the requisitioning by the Government of the whole of the production of spirit of the grain-distillers, but it was then found possible to make arrangements for a supply up to the end of the year 1917 from other sources. The Admiralty having placed an embargo upon the use of rum spirit for manufacturing-purposes, a joint meeting of the Section and of the flavouring-essence manufacturers was held, when a petition was signed and forwarded to the Admiralty urging that the embargo should not be enforced against the rum spirit required by the perfumery and flavouring-essence manufacturers. Shortly afterwards the Admiralty issued a notification removing the embargo in question.

# Association Affairs.

**Ealing.**—The annual meeting of the Ealing and District Pharmacists' Association was held at Buol's Restaurant on May 21, the President (Mr. G. Norris) in the chair. Mr. Strickland proposed that the closing-hours for Fridays and Saturdays be altered to 7 o'clock and 8 o'clock respectively, or, alternatively, that the alteration be made only as regards Fridays. This matter was left to Mr. Strickland and a small Committee to arrange. It was decided that the Association adopt the "B. & C. P." minimum retail-price list. The Secretary presented the yearly report and balance-sheet, and these were adopted *nem. con.* Mr. S. McKee (Acton) was unanimously elected *President* for the ensuing session. Messrs. Egan, Thompson, and Storm were elected members of the *Committee*, and the remainder of the officers were re-elected. A hearty vote of thanks was passed to Mr. G. Norris, the retiring President, for his year of service. Mr. Herbert Skinner, Hon. Auditor to the Association, in reply to several queries, supplied information with regard to War Emergency Formulæ and the working of the Military Service Act.

**London (W.).**—The annual general meeting of the Western Pharmacists' Association was held at the Restaurant Frascati, Oxford Street, on May 23, the President (Mr. W. E. D. Shirtliff) in the chair. Arising out of the minutes, a question as to the sufficiency of sugar rations was raised; it was found that the majority of the members present were receiving theirs regularly. Ten new members were nominated. The Vice-President (Mr. C. A. Noble) having read reports on meetings of the London County Executive and the London Pharmaceutical Committee, it was agreed to ask the present members representing the Association on the latter body to continue their services. The report of the Treasurer (Mr. H. R. Procter) showed a balance in hand of 35*l.* 4*s.* 10*d.*—practically the same as at the beginning of the financial year, increased working-expenses having been counterbalanced by the curtailment of social activities. The sum of 5*l.* 5*s.* was voted to the Pharmaceutical Society's Benevolent Fund. The auditors, Messrs. J. P. Ellerington and H. Martin, were thanked for past services, and re-elected. The General Secretary (Mr. C. H. Hampshire), in presenting his report, announced that the Association numbered 7 honorary and 388 ordinary members, and called attention to the excellent work done by the sub-district officers. The retiring members of the Committee, Messrs. Browne, Latreille, Melhuish, and Tocher, were re-elected. In moving a vote of thanks to the President for his services in office Mr. Melhuish made special mention of the silver cup presented by Mr. Shirtliff to the Bowls Section (*C. & D.*, May 11, p. 35); and after the President had briefly replied the acceptance of the cup by the Association was formally moved and agreed to. The Vice-President, the four Secretaries, and the Treasurer were accorded a cordial vote of thanks, which was duly acknowledged. Mr. G. A. Tocher, who was specially thanked for his assistance in National Health Insurance and other difficulties, gave a *résumé* of the existing position in regard to military service, warning those present against taking hasty measures in case of difficulty, and making it clear that negotiations between various interests affected were still in progress.

**London County.**—The Executive Committee of the London County Pharmaceutical Association met at 17 Bloomsbury Square on May 28, Mr. A. R. Melhuish (President) in the chair. The Vice-President (Mr. Hatfield), owing to ill-health, has tendered his resignation from the Executive, and the Secretary was instructed to convey to Mr. Hatfield the Committee's sympathy and to request him to retain office till the end of the session. The President congratulated Messrs. Keall and Wolff on their election to the Pharmaceutical Council: and Mr. Barnard hoped that the President, though now unsuccessful, would give the Committee another opportunity to support his candidature. It was decided that the Central Pharmaceutical Advisory Committee be asked to take the necessary action respecting Volunteer chemists and the suggested two months' active service. The Secretary reported, with regard to the sugar-supply that chemists in some boroughs had received forms of application for the period July to December next, while others had received vouchers for supplies up to July 13. The reports of the Secretary, the Organisation Sub-Committee, and the Pharmaceutical Insurance Sub-Committee were adopted. The position of chemists in regard to military service was the subject of a long debate, and a short discussion followed on the rebate on alcohol, in the course of which it was urged that chemists should see that their claims were made before the first day of each month (the first claim to be made by June 1).

**Nottingham.**—The annual meeting of the Nottingham Pharmaceutical Association was held on May 22, Mr. C. E. Reynolds presiding. The Council's report stated that the membership numbers eighty and the balance in hand is 15*l.* 16*s.* The following officers were elected: *President*, Alderman R. FitzHugh; *Vice-President*, Mr. A. E. Beilby, *Treasurer*, Mr. H. P. Middleton; *Council*, Messrs. Carr, Ellis, Godson, Prince, Reynolds, Robson, Sergeant, and Turner. The sum of five guineas was voted to the Orphan Fund and three guineas to the Benevolent Fund.

**Progressive Pharmacy Club.**—The third lecture of the course on business methods applied to pharmacy was delivered on May 14, when Mr. Herbert Skinner addressed a large and appreciative audience on *Scientific Method as Applied to Business.* The subject was treated in a manner which strongly appealed to those present, and the lecturer left an impression that it would be for the general good if at some future time he extended his matter into a number of lectures. At the same time, it was felt that it was more than ever desirable that the whole series of lectures should, as early as practicable, be published in a readily accessible form. A hearty vote of thanks concluded the proceedings.

# Practical Notes and Formulas.

### Skin-ink for Radiography.

Captain N. S. Finzi, M.B., in the "British Medical Journal," gives the following formula for an ink used for marking positions on the skin of patients who are being radiographed:

| | |
|---|---|
| Acid. pyrogallic. ... ... ... | 1 gram |
| Spirit. vini meth. ... ... ... | 10 c.cm. |
| Liq. ferri perchlor. fort. ... ... | 2 c.cm. |
| Aceton. ad ... ... ... ... | 20 c.cm. |

The solution is best kept in a bottle with a camel's-hair brush attached to the cork so that it can easily be painted on. The mark is a brownish-grey at first, but after a few hours turns a brilliant black.

### Converting Grains into Grams.

A Correspondent of the "Lancet," referring to the rule "to convert grains into grams multiply the grains by 0.0648," suggests that instead of doing this it is better to multiply the grains by 8, and 8 again, one place to the left, and point off four places to give the correct answer. For example: 12 grains to grams. That is, 12 × 8, plus 96 × 8 moved one place to the left, and the sum pointed off four places to left, gives answer 0.7776. If there were one or two decimal points in the original multiplicand these would have also to be pointed off to the left. For instance, if it had been 12.5 or 12.45 grains, the final sum would have been pointed off five places or six places to the left.

### Caterpillar Attacks.

Dealing with the question of combating the plague of caterpillars, which did much damage to fruit-trees, "Nature" concludes that the amount of loss was due very largely to the serious lack of labour. Many plantations have been improperly cultivated or, from lack of labour, not cultivated at all. It has too often been quite impossible to spray the trees, and even last year there were not sufficient men on many farms effectually to grease-band them. For winter moth and its allies two methods of treatment meet with complete success if properly carried out, which can only be with the necessary supply of skilled labour. The first is grease-banding; the second, spraying with arsenate of lead where the former cannot be done, as on bush trees or where such pests as the clouded drab moth occur. If grease-banding on standards and half-standards is to be of any use, the bands must remain sticky from October to April, and the bands must be complete, not, as the writer has seen this year, with many breaks in them. If arsenate-of-lead spraying is done, then it must be carried out at the proper time and thoroughly. Many growers have sprayed when they found the blossom-trusses going and the leaves fast disappearing. This is too late, for the damage is done, the caterpillar working most rapidly towards the close of its life. Apples should be sprayed as soon as the buds are well open, and may have to be sprayed again when the blossom-trusses begin to expand. One good spraying as soon as the young "looper" larvæ are seen will save the crop, while to spray when all the damage is done is waste of time and money.

# Insurance Act Dispensing.

**A Record of matters concerning Chemists' interests in the National Health Insurance Acts.**

## Reports from Local Centres.

### ENGLAND.

**Bournemouth.**—The Insurance Committee met on May 27, when payment was ordered of accounts amounting to 330*l.* 13*s.* 4*d.* in respect to the Drug Fund. It was agreed that chemists' accounts for April and May be paid so soon as the figures are received from the Pricing Bureau. The report on the pharmaceutical service in the borough was forwarded to the Pharmaceutical Committee. It was recommended that the following Sub-Committee be appointed to deal with questions arising out of the calling-up of doctors and chemists for military service: Dr. W. Davidson, Messrs. A. T. Borthwick, A. H. Millward, F. E. Bilson, and J. R. Dale. The report submitted by Mr. F. E. Bilson (the Committee's representative on the South-Western Joint Pricing Committee) on the pricing of prescriptions for 1917 was adopted. It showed the average ingredient-price per prescription to be 3.43*d.*; average dispensing-fee, 2.61*d.*; average cost per insured person, 18.97*d.*; frequency per insured person, 3.13. The cost of pricing was 60*l.* 17*s.* 8*d.*, and the Clerk was instructed to call the attention of the Commissioners to the continued increasing cost, and to inform them that the Committee consider the State grant of 35*l.* towards the work is inadequate.

**Burnley.**—At a meeting of the Insurance Committee on May 28, a memorandum issued by the Commissioners with regard to dispensing chemists and the present military needs was submitted, in which it was stated that in view of the Military Service No. 2 Act, 1918, the Committee should reconsider the question of the exemption of chemists, and suggested that a Sub-Committee should be appointed to confer with the National Service Representative thereon. It was agreed that Alderman E. Keighley, J.P., and Councillor D. D. Irving meet the local Pharmaceutical Committee on the matter, and afterwards confer with the Military Service Representative thereon.

**Warwickshire.**—The Pharmaceutical Committee met at Leamington on May 22, Mr. Hutton presiding. The Clerk reported a satisfactory settlement with the Pricing Bureau. In view of the national conditions now prevailing the Committee decided to remain in office for another year. Messrs. Robinson, Hutton, Price, and Nundy were elected as the Advisory Committee to deal with all matters relating to military service in the area, in consultation with the Insurance Committee. Several cases having occurred of Gamgee tissue being supplied in Insurance dispensing, and disallowed by the Pricing Bureau as not being included in the list of prescribed appliances, the Clerk had been instructed to ask that the price of cotton-wool might be allowed. This had been granted. The administrative expenses of the Committee for 1917 (102*l.* 0*s.* 8*d.*) were formally passed, and the estimate for 1918 (120*l.*) was agreed to by the Commissioners. The report of the Checking Bureau was satisfactory, and showed that the work of the Pricing Office was now much improved.

### May Drug Tariff.

The following are the alterations for May in the Drug Tariff issued by the National Health Insurance Commissioners for England and Wales:

*Lower:* Caffeina, 4*s.* 9*d.* oz.; paraldehyd., 1*s.* 4*d.* oz.; phenacetin, 2*s.* 10*d.* oz.; pot. permang., 19*s.* lb.; tab. acid. diethylbarb., gr. v., 20.52*d.* per doz.; tab. phenacetin., gr. v., 4.56*d.* per doz.; tab. phenacetin. co., B.P.C., 5.22*d.* per doz. *Higher:* Acetanilidum, 9*s.* lb.; acid. acetic. glacial., 6*s.* 8*d.* lb.; acid. boric. (crystals), 1*s.* 1*d.* lb.; acid. boric. pulv., 1*s.* 2*d.* lb.; acid. citric. pulv., 4*s.* 2*d.* lb.; acid. tannic., 15*s.* 3*d.* lb.; acid. tartaric., 4*s.* 2*d.* lb.; adeps præp., 2*s.* 9*d.* lb.; aloinum, 9*d.* oz.; ammon. brom., 12*s.* 9*d.* lb.; amylum (maize), 1*s.* 3*d.* lb.; aq. anethi ex conc., 8*s.* lb.; aq. anisi ex conc., 8*s.* lb.; aq. aurant. flor., 1*s.* 1*d.* lb.; aq. carui ex conc., 8*s.* lb.; aq. cinnam. ex conc., 9*s.* lb.; aq. fœniculi ex conc., 8*s.* lb.; aq. menth. ex conc., 8*s.* lb.; aq. pimentæ ex conc., 8*s.* lb.; borax pur. pulv. (in 14-lb. lots), 62*s.* cwt.; calc. lact., 15*s.* 3*d.* lb.; camphora (flowers), 6*s.* 2*d.* lb.; capsulæ creosoti m. 2, 3.24*d.* per doz.; chloral hydras, 1*s.* 9*d.* oz.; cocain. hydrochlor., 10*s.* 6*d.* dr.; couf. guaiaci co., B.P.C., 3*s.* 10*d.* lb.; conf. piperis, 4*s.* 9*d.* lb.; creosotum, 2*s.* 3*d.* oz.; dec. sarsæ jam. co. (ex conc.), 8*s.* lb.; emul. ol. morrh. c. hypoph., B.P.C., 3*s.* 6*d.* lb.; emul. petrolei c. hypoph., B.P.C., 2*s.* 4*d.* lb.; ext. casc. sagr. liq., 3*s.* 4*d.* lb.; ext. ergotæ, 2*s.* 10*d.* oz.; ext. ergot. liq., 8*s.* 6*d.* lb.; ext. malti c. ol. morrh., B.P.C., 1*s.* 3*d.* lb.; ext. nucis vom. sicc., 1*s.* 4*d.* oz.; gent. rad. incis., 1*s.* 6*d.* lb.; glycer. acid. boric., 6*s.* 4*d.* lb.; hexamina, 13*s.* 4*d.* lb.; inf. calumb. (ex conc.), 3*s.* 2*d.* lb.; inf. rhei (ex. conc.) 3*s.* 2*d.* lb.; inf. senegæ (ex conc.), 7*s.* 8*d.* lb.; lin. methyl. sal. co., B.P.C., 19*s.* lb.; liq. arsen. et hydrarg. iod., 1*s.* 7*d.* lb.; liq. formaldehyd., 4*s.* 9*d.* lb.; liq. formaldehyd. sap., 6*s.* 4*d.* lb.; liq. hamamelidis, 3*s.* 1*d.* lb.; liq. plumbi subacet. fort., 8*d.* lb.; lithii carb., 1*s.* oz.; lithii cit., 1*s.* oz.; methyl salicylas, 1*s.* 2½*d.* oz.; methyl sulphonal, 8*s.* oz.; ol. cajuput., 9*s.* 6*d.* lb.; ol. caryoph., 29*s.* 6*d.* lb.; ol. menth. pip. (redistilled), 32*s.* 6*d.* lb.; ol. morrhuæ (Norwegian, 1917, opt.), 24*s.* 6*d.* gal.; ol. olivæ (sublime), 34*s.* 3*d.* gal.; oxymel scillæ, 2*s.* 6*d.* lb.; paraff. dur., 1*s.* 5*d.* lb.; paraff. liq., 2*s.* 10*d.* lb.; paraff. mol. (alb.), 2*s.* lb.; paraff. mol. flav., 1*s.* 1*d.* lb.; phenazon., 5*s.* 3*d.* oz.; phenolphthalein, 5*s.* 3*d.* oz.; plumbi acet., 2*s.* 8*d.* lb.; pot. brom., 14*s.* 3*d.* lb.; pot. tart. acid., 5*s.* lb.; pulv. cretæ aromat., 2*s.* 3*d.* lb.; pulv. cretæ c. opio, 5*s.* 10*d.* lb.; pulv. ipecac. co., 14*s.* 3*d.* lb.; pulv. jalap. co., 5*s.* 6*d.* lb.; sacc. lact., 6*s.* lb.; sodii benz., 2*s.* 3*d.* oz.; sodii bicarb. (opt.) (in 28-lb. lots), 34*s.* cwt.; sodii brom., 7*s.* 4*d.* lb.; spt. rectificatus, 9*s.* 2*d.* pint; strontii bromidum, 1*s.* 1*d.* oz.; sulphonal, 8*s.* oz.; syrupus, 1*s.* lb.; syr. chloral, 6*s.* lb.; syr. codeinæ phosph., 4*s.* 6*d.* lb.; syr. ferri iod., 2*s.* 8*d.* lb.; syr. ferri phosph. co., B.P.C., 1*s.* 5*d.* lb.; syr. ferri phosph. c. quin. et strych., 2*s.* 6*d.* lb.; syr. hypophosp. co., B.P.C., 1*s.* 10*d.* lb.; tab. acetanilid., gr. iii., 1.35*d.* per doz.; tab. acetan. co., B.P.C., 1.92*d.* per doz.; tab. formaldehydi, B.P.C., 0.90*d.* per doz.; tab. naso-pharyngeal co., 5.46*d.* per doz.; tab. sulphonal, B.P.C., gr. v., 13.86*d.* per doz.; tab. trinitrini, 1.29*d.* per doz.; tr. aurantii, 9*s.* 6*d.* lb.; tr. iodi fort., 8*s.* 4*d.* lb.; tr. zingib., 6*s.* 8*d.* lb.; ung. acid. boric. flav., 1*s.* 5*d.* lb.; ung. acid. boric., B.P., 2*s.* 1*d.* lb.; ung. acid. carbol., 2*s.* 4*d.* lb.; ung. acid. salicyl., 2*s.* 10*d.* lb.; ung. chrysarobin., 3*s.* 10*d.* lb.; ung. glyc. plumbi subacet., 3*s.* 4*d.* lb.; ung. hydrarg. nit. dil., 2*s.* 8*d.* lb.; ung. hydrarg. oxid. flav., 2*s.* 1*d.* lb.; ung. hydrarg. oxid. rubr., 3*s.* 6*d.* lb.; ung. paraffin. alb., 2*s.* 6*d.* lb.; ung. paraffin. flav., 1*s.* 7*d.* lb.; ung. resinæ, 3*s.* 8*d.* lb.; vinum ipecac., 4*s.* lb.; zinci sulphocarb., 5*s.* 8*d.* lb. Bandages: indiarubber (all rubber), 2½ in. by 5 ft., 38.00*d.*; 2½ in. by 7½ ft., 50.00*d.* each; (elastic web), 3 in., 9.50*d.* per yd. Splints, arm, plain, 5.80*d.* each. Catheters, best brown gum-elastic, 6.50*d.* each.

# Westminster Wisdom.

**By the "C. & D." Parliamentary Representative.**

PARLIAMENT REASSEMBLES.

Both Houses of Parliament met again on May 28 after the Whitsuntide recess.

CHEMICO BODY-SHIELD.

Mr. Macpherson, Under-Secretary of State for War, replying to a question in the House of Commons on May 28, stated that other forms of body-armour have been found more satisfactory and have been issued in preference to the Chemico body-shield.

PRICE OF CALCIUM CARBIDE.

Replying to a question in the House of Commons on May 28, Sir W. Evans, for the Ministry of Munitions, stated that the controlled price of carbide from September 24, 1917, to November 20, 1917, was 25*l.* per ton, and from that date to December 31, 1917, it was increased to 45*l.* per ton. Since January 1, 1918, it has been reduced to 35*l.* per ton. It is quite true that the Acetylene Corporation of Great Britain, Ltd., could at one time import from Canada and supply their consumers at 27*l.* per ton, but this was before the heavy rise in freight. In order to meet national requirements it has been necessary to place large contracts in Norway, and the controlled rates were based on the average price per ton of the contracts then existing, with a margin to protect against possible loss in transit.

THE LUXURY-TAX.

Our Parliamentary correspondent writes that the four Sub-Committees which have been appointed by the Select Committee under the Budget to consider the various articles to be scheduled as luxuries for purposes of taxation have held several meetings during the week. One of these deals with motor-cycles, another with draperies, a third with furnishing and furniture, and perfumery and toilet articles such as are vended by chemists and druggists are also the subject of investigation. Evidence in regard to the various interests involved has been taken by the Sub-Committees. When the Finance Bill is before the House in the Committee stage Sir Charles Henry, M.P., proposes to move that the luxury-tax shall not be charged unless the articles of luxury are subject to import-duty of an amount not less than the amount of the luxury-tax.

EXPERIMENTS are being made, according to the "Liverpool Daily Post," to determine the manurial value of sunflower-stems. It is stated that their ash has a potash-content of about 50 per cent.

# Trade Report.

**42 Cannon Street, E.C. 4, May 30, 3 p.m.**

This has been an uninteresting week in the chemical and drug markets, the great events on the Western Front having a restraining and diverting influence on all business operations at the moment. Trade is also impeded by the many Government restrictions on imports and exports, and "official control," which extends, octopus-like, almost daily. Consequently these factors have led to an easing-off in values, although there is little or no replenishment of spot stocks. No important transactions have been entered into for forward or distant delivery, and this has helped the downward movement. The only bright feature is the possibility of the renewal of business relations with Russia at an early date, and we understand that official steps are being taken on both sides to restore within well-defined limits the commercial situation, and if this should prove successful the markets in several directions would automatically improve on the resumption of exports. There is, however, a continued lack of consistency and want of co-ordination in Government Departments in the granting of licences for exportation, as we understand permission this week has been withheld to export several important chemical products of which the stocks here are abundant. Among chemicals, the price of santonin has been substantially advanced. Camphor has been raised 3*d.* by English refiners, and soda tartarata is 10*l.* per ton higher. Aspirin, barbitone, hydroquinone, methyl salicylate, phenazone, and salicylic acid have all eased in value. Copper sulphate for export is easier; antimony is on the firmer side; and arsenic has an uncertain tendency. Reports have been current in Mincing Lane that the Ministry of Food is to intervene in the honey market. All stocks of cocoa-butter in makers' and importers' hands have been taken over by that Department. Agar-agar is rather lower, and cassia lignea is the turn easier. Lime-juice continues in demand. Quillaia is rather dearer; West Indian tamarinds are unobtainable.

| Higher | Firmer | Easier | Lower |
|---|---|---|---|
| Camphor (Eng. ref.) | Citric acid | Aspirin | Agar-agar |
| Chillies | Lime-juice | Barbitone | Aspirin |
| Ginger | | Camphor (Jap. ref. slabs) | Shellac |
| Peppers | | Copper sulphate (expt.) | |
| Pulv. seidlitz | | Hydroquinone | |
| Quillaia | | Mace | |
| Saffron | | Methyl salicylate | |
| Santonin | | Phenazone | |
| Soda tartarata | | Saccharin | |
| Turmeric | | Salicylic acid | |
| | | Vanilla | |

*The Drug-auctions will be held next Thursday, June 6.*

## Cablegram.

New York, May 30.—Business is quiet. Sweet oil of birch has been advanced to $2.40. Peppermint oil in tins is lower at $2.95. Cartagena ipecacuanha has advanced to $3.00 per lb. Jalap is lower at 58c. Buckthorn-bark is dearer at 24c.; and belladonna-leaves have been reduced to $1.35 per lb.

Acetanilide is still selling at 7*s.* per lb. on the spot.

Acetic Acid.—The spot scarcity is now becoming most acute, and the U.S.A. seems unwilling to liberate supplies for export.

Agar-agar is dull and rather cheaper on spot, with sellers at 3*s.* 10*d.* to 4*s.*, afloat at 3*s.* 6*d.* c.i.f., and March-May shipment 3*s.* 3*d.* c.i.f. London.

Albumen is firm at from 4*s.* 3*d.* to 4*s.* 4*d.* for *hen* on spot, as to seller. *Duck* is 3*s.* 11*d.*, and dried *egg* yolk 2*s.* to 2*s.* 1*d.*; prime liquid white egg is 160*s.* per cwt.

Amidopyrin continues in fair inquiry for export at 60*s.* per lb.

Anise is still quoted 77*s.* 6*d.* per cwt. for Russian, but no business has been reported.

Antimony.—The tone is certainly firmer, although there is not a great deal of business passing, while there are no longer any sellers of crude at less than 45*l.* The difficulty of arranging new business for shipment seems to have a strengthening effect. Spot supplies are restricted. Whereas 74*l.* was accepted not long ago for foreign regulus, the lowest quotation is now 76*l.* per ton.

Arsenic.—Rather wide quotations are reported. Sellers here could hardly be found at below 119*l.*, although apparently less is accepted in Northern ports, this being evidently due to some extent to shipping facilities. Then again, prices vary a good deal according to quantity, small lots of best Cornish powder commanding rather high figures up to about 124*l.* per ton. The tendency is uncertain, with prices at an inflated level. Fair-sized quantities have arrived.

Aspirin.—Owing to the falling-off in export business prices are slightly easier among dealers, but the present cost of production does not seem to justify any reduction.

Barbitone.—The fairly large supplies lately received have led to a slightly easier feeling at 110*s.* per lb.

Benzoates.—The situation remains unchanged, but supplies of *benzoic acid* appear to be readily absorbed as they come on offer; acid is worth 19*s.*, and *benzoate of soda*, which is apparently being made by wholesale druggists, is worth about 20*s.*

Bromides.—Ammonia is very scarce, and worth from 10*s.* 3*d.* to 10*s.* 6*d.*; potash is 10*s.* 6*d.* to 10*s.* 9*d.*, and soda, which is a little more plentiful, is 5*s.* 6*d.* per lb. net.

Calcium Acid Phosphate.—As already reported, the makers are "fully sold," and can only offer for forward delivery, one maker quoting 120*l.* to 135*l.* per ton for November delivery. The reason leading up to the present scarcity is the lack of the principal raw materials for making phosphoric acid. In normal times this was largely made from mineral phosphates imported from South America and other overseas countries, also from butchers' bones from the great beef-producing countries. The importation of both these raw materials has been stopped for a considerable time past. The only material available therefore has been the bone supply from the abbatoirs in the United Kingdom, and as the home-killing has been very much reduced this shortage is likely to become even more acute during the next month or two, especially as it is anticipated that the Government will take control of the supply of bones. It will therefore be seen that not only has the importation stopped but that the only substitute for the imported raw material is very much reduced compared with that derived from domestic sources in normal times. In these circumstances it is easy to understand that there should be so great a shortage in cream of tartar substitute, and that the prices have proportionately advanced.

Camphor (Refined).—The English refiners have advanced their prices by 3*d.* per lb. to 4*s.* 9*d.* for flowers and to 4*s.* 10*d.* for bells. Sellers of Japanese 2½-lb. slabs quote 4*s.* 4*d.* per lb. on the spot, and ¼-oz. tablets at 4*s.* 4*d.*

Canary-seed.—A small business is passing at 215*s.* to 220*s.* per quarter for ordinary to good Morocco, being steady.

Capsicums.—At auction 364 bags Nyasaland sold, including good, 62*s.* 6*d.*; fair large picked, 50*s.* to 55*s.*; common to ordinary 45*s.* to 49*s.*; and common wormy, 42*s.*

Caraway-seed has been sold at 225*s.* per cwt. for ordinary Levant.

Cassia Fistula.—A limited quantity is offered at 115*s.* per cwt.

Cassia Lignea.—Sellers of whole selected quoted 90*s.* per cwt. on the spot.

Chillies.—At auction 44 bags Nyasaland sold at from 98*s.* to 100*s.* for good red, being dearer.

Chloral Hydrate is unchanged at 13*s.* net *in bond*. Sales of Swiss make have been made for forward delivery, but supplies are inadequate to meet the demand, so that buyers would do well to cover their requirements.

Chloride of Zinc.—There is a fair amount of business doing, quotations being about 23*l.* 10*s.* to 24*l.* 10*s.*, free on rail makers' works.

Cinnamon Oil.—Ceylon bark oil is obtainable on the spot at 1*s.* 1*d.* per oz., at which sales have been made.

Citric Acid is in more inquiry, and the market tends firmer at 3*s.* 5*d.* per lb. on the spot.

Cloves.—Small sales of fair Zanzibar have been made at 2*s.* 5*d.* per lb. on the spot, at which there are further sellers.

Cocaine.—A small parcel of crude is on the way, and will probably be sold by private treaty. No particular demand has been shown for hydrochloride during the past week, which is explained by the fact that stocks in the hands of licencees are sufficient for legitimate requirements.

Cocoa-butter.—By the Cocoa-butter (Requisition) Order, dated May 21, the occupier of every factory or workshop engaged in the production of cocoa-butter, from the cocoa-bean, must place at the disposal of the Food Controller the whole of the cocoa-butter which he has in stock at the close of business on June 29, or which is produced after that date. The Order also provides for the taking over of imported cocoa-butter.

COPPER SULPHATE.—The Liverpool f.o.b. quotation for export is nominally lower at 65*l.*, but business is virtually held up. The demand for agricultural purposes is somewhat slow, and the current fixed price is 52*l.* delivered net makers' works.

CORIANDER-SEED is quiet for old crop Morocco at 65*s.* per cwt. A little business is reported in new crop July-September shipment at 40*s.* to 42*s.* 6*d.* c.i.f. terms.

CREAM OF TARTAR is a firm market, with a brisk demand. Dealers quote from 425*s.* to 430*s.* per cwt. on the spot.

CUMIN-SEED is slow of sale at 65*s.* per cwt. for sifted Morocco, and at 52*s.* 6*d.* to 57*s.* 6*d.* for common.

FARINA is dull, with sellers of No. 1 Japanese at 80*s.* on the spot, and May-June shipment at 77*s.* c.i.f.

FENNEL-SEED is quoted 57*s.* 6*d.* per cwt. for East Indian.

FENUGREEK-SEED is steady at 41*s.* per cwt. for fair Morocco.

GINGER continues to advance; common to good common Jamaica is 112*s.* 6*d.* to 115*s.*, and medium to good 120*s.* to 125*s.*; washed Cochin is 95*s.* to 97*s.* 6*d.*, Calicut 95*s.*, and Japanese 90*s.*

GUAIACOL CARBONATE is offered at 110*s.* per lb. on the spot.

GUM ACACIA is quiet, with spot sellers of Sudan sorts at 87*s.* 6*d.*, and afloat at 82*s.* 6*d.* c.i.f.

HEXAMINE.—A considerable supply is awaiting shipment from the U.S.A., but permits are not being granted, and the price on spot remains at an inflated level.

HONEY.—Reports have been current in Mincing Lane this week that the Ministry of Food is about to control the retail selling price of honey, but no confirmation or denial of these reports is obtainable in official quarters.

HYDROQUINONE is a little easier at 17*s.* per lb. on the spot, owing to arrivals.

INSECT-WAX.—A limited quantity of Chinese is offered at 20*l.* per cwt.

LEMON-JUICE is inquired for, but there appears to be nothing available for spot delivery.

LIME-JUICE.—The better demand noted last week has continued, and prices if anything have a firmer tendency.

MENTHOL is slow, with sales of Kobayashi at 13*s.* 8*d.* spot and April-June shipment at 13*s.* 6*d.* c.i.f. The firmer market in Japan is maintained, and should there be a revival of speculative interest here, as is not unexpected, a higher market is looked for.

METHYL SALICYLATE is a little easier at 11*s.* per lb. on the spot.

MILK-SUGAR.—Several parcels (272 barrels) have arrived this week, mostly from the United States, and this ought to give an easier tendency to the inflated rates asked. Some buyers, however, are so needy that they are glad to get the stuff *à tout prix.*

MUSK (XYLOL) is offered at 60*s.* per lb.

ORRIS.—Fair Florentine sorts can be had at 105*s.* per cwt. on the spot.

PEACH-KERNEL OIL appears to be practically unobtainable owing to the scarcity of raw material.

PEPPERS are dearer, the sales including fair *black* Singapore at 1*s.* 5¾*d.*, fair Tellicherry at 1*s.* 6½*d.*, and Alleppy at 1*s.* 6*d.* There are buyers of fair *white* Singapore on spot at 2*s.* 6½*d.*, and *white* Muntok has been sold at 2*s.* 7*d.* and buyers.

PEPPERMINT OIL.—There is practically no stock of American tin oil left on the spot, and 23*s.* net is readily obtainable for single cases. H.G.H. is not offered.

PHENACETIN.—The demand has shown an appreciable improvement during the past fortnight, and the lower price of 26*s.* now in operation has evidently led to a revival of its use among manufacturers of proprietaries.

PHENAZONE.—Although the demand shows an improvement, the price has eased down to 47*s.* 6*d.* per lb. on the spot.

PIMENTO.—At auction 159 bags fair were bought in at 5¼*d.*

PLATINUM.—While the trade price as fixed recently between leading houses or importers stands at 400*s.* per oz., the terms on which import contracts are handled by refiners are based on a considerably lower figure. Strenuous efforts to exploit deposits are being made in North America, including Canada, and also in some of the Australasian districts.

POTASH BICARBONATE.—Crystals in cases offer at 2*s.* 3*d.* per lb.

POTASH PERMANGANATE is quoted at from 13*s.* to 14*s.* for Japanese make. Caution is, however, necessary in buying for forward delivery from Japan at this inflated price.

QUILLAIA is dearer than when last quoted, Liverpool asking 70*s.* and London 75*s.* for whole, and 80*s.* for crushed.

QUININE.—The consignment which arrived last week has practically all been absorbed, but further orders are being solicited for direct shipment from Java. The exports from Java during December 1917 amounted to 18,529 kilos., against 12,637 kilos. in December 1916. This brings the total for 1917 to 131,508 kilos., against 114,573 kilos. in 1916.

SACCHARIN.—There is keen competition for business among importers of American saccharin, and the market position is slightly easier, sales having been made by responsible firms at 254*s.* per lb., *duty not paid*, for 550 pure on the spot, and further sellers thereat.

SAFFRON is higher at 55*s.* per lb. net on the spot for finest Valentia.

SALICYLATES.—Most of the makers and dealers in *salicylic acid* appear to be overstocked at present, and the efforts to force sales have resulted in the recession of prices, it being possible to buy at 4*s.* 9*d.*, and a trifle less in quantity. Prices are now extremely low, and should the demand improve, as it not unlikely with a continuance of hot weather, a better market is looked for. *Sodium salicylate* is unchanged at our last week's quotations.

SANTONIN.—The official price of pure crystals has been advanced to 400*s.* per kilo. net for at least 50-kilo. lots in one delivery. For smaller quantities prices are: 25 kilos., 420*s.*; 10 kilos., 440*s.*; and 5 kilos., 460*s.* per kilo. net ex wharf London, payment net cash against delivery order. These prices are strictly without engagement, and subject to alteration. The above prices show an advance of 40*s.* on 50-kilo. lots, and an even larger advance on the smaller quantities.

SARSAPARILLA.—Eighty-nine bales have arrived in Liverpool.

SHELLAC is inactive, with the usual standard TN Orange offering at 325*s.* per cwt. on the spot; to arrive May-June shipment sellers quote 305*s.*; AC Garnet for shipment is offered at 315*s.*, and pure button at 325*s.* c.i.f.

SODA BICARBONATE is unchanged. One of the principal makers quotes 7*l.* 18*s.* per ton in 2-cwt. bags, 8*l.* 3*s.* in 1-cwt. bags, and 10*l.* 10*s.* 6*d.* in cwt. kegs, delivered London station.

SODA CRYSTALS.—Makers' prices are: 5-ton lots in 2-cwt. bags, 4*l.* 7*s.* 6*d.* per ton, and in 1-cwt. bags 4*l.* 15*s.*, delivered free to any railway station in England, Scotland, and Wales. These prices also apply to minimum 1-ton lots at approved centres.

SODA HYPOSULPHITE.—Only limited supplies offer at 65*s.* per cwt. for ordinary crystals in casks.

SODA TARTARATA.—English makers have advanced their prices by 10*s.* per cwt., and now quote from 170*s.* to 177*s.*, according to quantity. *Pulv. Seidlitz* has also been advanced in proportion, the quotation in 5-cwt. casks being 136*s.* 9*d.* per cwt. net. *Howards* is 137*s.* 6*d.* net.

SULPHONAL is steady at 80*s.* per lb. on the spot.

TAMARINDS.—West Indian entirely disappeared from the market in first-hands.

TARTARIC ACID remains very firm at 3*s.* 6*d.* per lb. on the spot.

THYMOL of Indian make is offered at from 47*s.* 6*d.* to 50*s.* per lb. on the spot.

TURMERIC.—Madras finger is scarce and dearer, with spot sales at 95*s.* and sellers.

TURPENTINE.—American on spot is 118*s.* per cwt. to holders of permits.

VANILLA.—At auction a total of 1,115 tins offered (chiefly Seychelles), of which about 820 tins told. Good-conditioned pods were well competed for, and sold at steady prices, but other descriptions, including brown foxy and split were easier. The following prices were paid: Seychelles (561 tins offered and mostly sold): Good firsts, 7 to 8 in., 8*s.* 3*d.* to 8*s.* 9*d.*; 6 to 6½ in., 7*s.* to 7*s.* 6*d.*; 3 to 5 in., 6*s.*; fair, 7 to 9 in., 7*s.* 6*d.* to 8*s.* 6*d.*; 3 to 7 in., 5*s.* to 7*s.*; doubtful keepers, 6 to 8 in., 6*s.* to 7*s.* 3*d.*; 3½ to 6 in., 5*s.* 9*d.*; good seconds, 6 to 7½ in., 6*s.* to 7*s.* 6*d.*; 2½ to 6 in., 4*s.* to 5*s.* 9*d.*; fair to good split, 4*s.* to 5*s.* 9*d.*; browns, 4*s.* to 5*s.*; mouldy, 1*s.* 6*d.* to 3*s.* 31 tins Mauritius offered and 29 sold: Crystalised firsts, 7½ to 9 in., 8*s.* to 8*s.* 6*d.*; 6½ to 7 in., 7*s.* 6*d.*; seconds, 6 in., 5*s.*; mouldy, 2*s.* 6*d.* 258 tins Bourbon offered and 45 sold: Good firsts, 6 to 8 in., 8*s.* 9*d.* to 10*s.* 6*d.*; doubtful keepers, 7½ to 8 in., 9*s.* 9*d.* to 10*s.*; mouldy firsts, 3*s.* to 3*s.* 3*d.* 43 tins Ceylon offered and 28 sold: Foxy, 3 to 7 in., 3*s.* to 5*s.*; and split, 1*s.* 18 tins West Indian sold: Firsts, slightly mouldy, 5*s.* 3*d.* to 6*s.* 3*d.*; seconds, 4½ to 5 in., 4*s.* 6*d.*; good splits, 5*s.* 9*d.*; foxy, 4*s.* to 4*s.* 6*d.* 38 tins Tahiti offered and 5 sold: Slightly split, 2*s.* 6*d.* per lb.

VANILLIN remains firm at 70*s.* per lb., which price is regarded as low compared with that of raw material.

WAX, JAPANESE, is quiet at 132*s.* 6*d.* per cwt. on the spot, and at 122*s.* c.i.f. for July-September shipment.

ZINC DUST.—There has been more business doing lately, and high prices have been paid for small parcels of Australian, high-grade up to about 112*l.* per ton, although quotations for fair-sized quantities are still obtainable at around 108*l.* f.o.r. delivered U.K. ports. Good quantities are required in the chemical trades, chiefly in connection with war

requirements. Low-grade English material has been secured at 85*l.* to 80*l.* delivered at works. The movement of supplies is somewhat difficult owing to freight scarcity.

### Java Quinine.

According to recent cablegrams from Java, it appears that the Syndicate of quinine-makers and cinchona-planters have arranged with Dutch quinine-factories to accept in future either cinchona-bark or crude quinine from Java. The Dutch makers mentioned are the Amsterdam and Netherlands factories, and it is stated that the Bandoeng factory raise no objection to the export of crude quinine. The export of crude quinine from Java will to some extent solve the difficulty of securing tonnage for cinchona from Java to Europe.

### South of France Flower-crops.

*Paris*, May 21.

The reports received from the South of France in respect to the forthcoming flower-crops are on the whole poor, the chief difficulty in the way of a prosperous season being the lack of fats for the manufacture of pomades. The harvesting of the violet and jonquil crops, which was delayed by the recent cold spell, is now over, but the production of rosebuds is in full swing, and the result is more satisfactory than that of violets, but prices rule exceedingly high. The distillation of orange-flowers will take place next month, but the prospect is a very poor one, as this flower has suffered more through the frost than any other. More likely than not neroli oil will cost over 1,000fr. per kilo. The Paris essential-oil market is dull. Bourbon geranium oil, having been on the decline for some time past, has now recovered, and prices have a pronounced tendency to rise, 56fr. c.i.f. Marseilles being asked (without war-risk insurance, and without shipping space guaranteed). Algerian geranium continues to rise, over 100fr. having lately been paid for a kilo.

### St. Vincent Arrowroot.

The Report of the Treasury Department of St. Vincent for 1916 indicates a decline in the exports of arrowroot, which was not attributed to a decreased output but to a scarcity of tonnage. The figures for the past four years are as follows:

| Year | Lb. | Value £ |
|---|---|---|
| 1913 ... ... ... ... | 4,327,036 | 53,607 |
| 1914 ... ... ... ... | 4,618,347 | 57,806 |
| 1915 ... ... ... ... | 5,290,781 | 44,689 |
| 1916 ... ... ... ... | 4,441,242 | 37,619 |

The price, which has been gradually rising during the last few years, was maintained at a satisfactory level in 1916, and at the present moment is exceptionally high.

### Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool. Particulars of imports of oils, oilseeds, nuts, fats, gums, etc., are not now published.

*To London*
(May 16 to 24).

Antimony reg. 20 tons
Canary-seed, 200 bgs.
Chemical products, unrated 852 kgs. 63 cs. 1 ck. 1 cby.
Antimony oxide, 78 cks.
Arsenic, 200 cs. and 52 cwt.
Barbitone, 12 cs.
Bromides: potash, 40 cs.
Cream of tartar, 2 cks.
Glycerin, ref., 2,278*l.*
Menthol, 20 cs.
Phenazone, 10 cs.
Potash iodide, 56 cs.
Potash pruss., red. 5 cs.
Pyrogallic acid, 10 cks.
Resorcin, 4 cs.
Soda hyposulph., 10 tons
Sulbitol, 10 cs.
Tannic acid, 10 cks.
Tartar, crude, 36 cks. 245 bgs.
Tartaric acid, 8 cks. 32 brls.
Terpineol, 4 cs.
Thymol, 3 cs.
Drugs, etc., unrated, 89 bls. 411 pkgs. and 55*l.*
Belladonna - leaves, 31 bgs.
Camphor, 350 cs.
Cantharides, 40 cs.
Eucalyptus oil, 8 cs.
Gentian, 8 bgs.
Ipecacuanha, 5 bls.
Orris, 43 bgs.
Senna, 50 bls.
Dyestuffs, dyeing and tanning materials, unrated, 130 pkgs. 4 cks.; dyewood ext., 1 ck.; myrabolans, 5 pkts.
Gelatin, 65*l.*
Perfumery, unrated, mostly raw materials, 2,823*l.*; toilet-powder, 2,472*l.*
Plumbago, 1,172 brls. 501 cks.
Soap, toilet, 1,089*l.*
Starches (cwt.): dextrin, 203; farina, 3,975; potato, 10,269; wheat, 41
Talc, 1,580*l.*
Wax, not described, 23 bls. 259 bgs. 110 brls. 50 cs.

*To Liverpool*
(May 17 to 25).

Canary-seed, 337 bgs.
Chemical products, unrated, 132 brls.
Argyrol, 2 cs.
Calcium borate, 6,505 bgs.
Cerium nitrate, 2 cs.
Cream of tartar, 48 cks.
Glycerin, ref., 120 cs.
Milk sugar, 222 brls.
Myristic acid, 1 cs.
Quillaia, 19 tons
Soda nitrate, 96,088 bgs.
Tartar, crude, 85 bgs. 17 cks.
Thorium nitrate, 48 cs.
Drugs and medicinal preps., 42*l.*
Balsams, 365 cs.
Sarsaparilla, 42 bls.
Dyestuffs, tanning and dyeing materials: fustic-wood, 40 tons; hemlock tanning ext., 331 cks.; logwood ext., 699 cks.; mimosa-bark, ground, 178 bls.; sumach, ground, 100 bgs.; wattle-bark, 218 bls.; ground, 260 bls.; pressed, 178 bls.
Magnesite, 6,050 tons
Starches (bags), 436; potato, 112
Wax, bees', 19 bgs. 77 blocks 73 bdls. 182 pkgs.
Zinc oxide, 1,768 brls

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## Correspondence

### Fair Play for Soldier Assistants.

Sir,—When I attended the annual meeting of the Pharmaceutical Society on May 15 a copy of the proposed by-laws was handed to me, and I had no idea until then that the special general meeting following was to pass by-laws dealing with a curriculum. The local Association to which I belong have not considered them. I am quite in accordance with Mr. Higgs, as representative of the Thames Valley Association, in raising objection to the validity of the notice of that meeting. I repeat what I said at the meeting, "If a compulsory curriculum were instituted when so many young men were away it would be exceedingly unjust to them." Why press the matter at this time? The Council obtained powers to frame by-laws for a curriculum in the 1908 Act. In the middle of this great war many of the young men who will be affected by them are away fighting for our very hearths and homes, unable to speak for themselves. Is this the gratitude which should be meted out to them by older men who are too advanced in years to shoulder the rifle? I quite agree with your correspondent "M. P. S." in urging a postponement of operation of the by-laws until at least two years after the conclusion of peace. Compare the action that the Universities have taken regarding the undergraduates and their degrees with that of our Society. The present is not an opportune occasion to impose a curriculum on our absent young men; justice, generosity, and every encouragement to help should be our endeavour on their returning to civil life. If the Pharmaceutical Society are not prepared for the postponement, I hope Associations and chemists throughout the country will consider the matter, and both collectively and individually write to the Privy Council before the by-laws are confirmed. Yours truly,

Chelsea. Isaac T. Lloyd.

### Still Considering.

Sir,—Once more I find the Pharmaceutical Society are still considering what to do to help students who have been discharged from the Army disabled and otherwise. Are they aware that the war is about to enter its fifth year? During the last two or three of these years a large number of students and apprentices, among them many of the old "Kitchener's Mob," have been returned to civil life; some of them have probably re-entered the profession without help, but a great many others no doubt have watched the Council discussions month after month, and have given up hope of any help from that quarter. Now, for the benefit of those that have been, and will be, discharged, I will relate my experiences. I applied to my local War Pensions Committee for assistance under the Minister of Pensions' scheme of training for disabled and pensioned men. They at once took the matter in hand, with the result that I got my fees paid at a College of Pharmacy for nine months, together with the maximum pension during the time I was in training. I also received at the end of this period a bonus of 5*s.* per week for each week I am at College. I earnestly advise any man discharged through disability brought about by war service to apply to his War Pensions Committee, when he will without doubt receive the same consideration that I have received. Why the Society should not have found out at least as much as I have done, or, if they have done so, why they should not have published it broadcast months ago, is beyond my comprehension. Faithfully yours,

Student. (89/41.)

### The Council Election.

Sir,—As a subscriber for over thirty years to the *C. & D.*, may I ask for a little space to correct an error into which you and "Xrayser II." appear to have fallen? During the recent pharmaceutical election I, among many others, received a brochure from one of the candidates, a portion of which was particularly addressed to Boots' managers. A letter was also addressed to many members of the Society signed by several of Boots' managers, in which, to a certain extent, they expressed their views. Another letter was also addressed to many voters by yet another manager. During the past six years I have been brought into more or less close touch with many matters pharmaceutical, and particularly with some members and would-be members of the Pharmaceutical Council, who have invariably had my support in the interests of pharmacy. I therefore considered I had a perfect right (and even after reading the remarks which you and "Xrayser II." have made I still think so),

to address Boots' managers. I was even vain enough to believe that some of them would be glad if I did so. As a member of the Pharmaceutical Society, therefore, I wrote such a letter (and paid for it) from my own private house as, in my opinion, might help those pharmacists to whom it was addressed, if they desired to use their votes, to exercise their judgment. I am convinced from the replies I have received that it was productive of serious thought, a state of mind which many great men are telling us is what is necessary in the present age. The gibe about the "dangerously preponderating voice" is best answered by your correspondent, "Not an Iscariot," in the last paragraph of his letter in the *C. & D.*, March 9.

Yours truly,

Nottingham. E. S. WARING.

### English-grown Belladonna.

SIR,—We notice in the *C. & D.*, May 25, p. 36, a quotation from "The Times" on the subject of belladonna plantations. We see you give this quotation without any comment, and we think it only fair to English growers that the facts stated should be somewhat modified so as to bring them into true relation to facts. As you are probably aware, our company has grown belladonna on its own farms in England for over eighty years. We doubt very much whether the plantations mentioned by "The Times" could fulfil the requirements of the trade beyond a comparatively small extent. We do not wish to in any way run down the good work done in Surrey, but probably the plantations cultivated by the two or three old English houses, who have been in the trade for so long, far exceed anything grown in the Surrey district. It is, of course, a well-known fact that a great many new growers of belladonna have cropped up since the war broke out, and with reasonable safeguard there is probably scope for all. The very high prices that have been obtained during the last few years have naturally attracted many. Probably before very much longer we may be faced with an over-production, as occurred some ten or so years ago, when fresh, green, English belladonna herb was sold down as low as 2*l.* 10*s.* per ton.

Yours truly,

For STAFFORD ALLEN & SONS, LTD.,
KENNETH C. ALLEN, Director.

### Price-changes.

SIR,—*A propos* of your useful Editorial article on "Price-changes," I wonder if it is realised what some of us in the retail business are having to contend against because of the reluctance with which some patent-medicine houses part with invoices for goods with "uncertain" prices. The wholesalers must know the price at which the maker sold his goods to them—he (the wholesaler) is the only one who apparently is informed—and then the poor retailer has to wait a week or more for his invoice. Goods, supposed not to have further advanced in price, arrive, and are sold at a figure less than what the wholesaler manages to capture, as transpires. It is unfair, to put it mildly. Hoping to improve matters I tried another firm, but their method was worse. I found the invoice was included with goods, but it was unpriced, and I am still waiting for priced invoice for an order sent sixteen days ago; goods arrived ten days ago. It is no use the wholesalers crying, "War conditions"—we retailers have the same conditions to labour under; and I understand the wholesalers are not so short of clerks as of packers. G. E. WILLIAMS.

Aldeburgh-on-Sea.

### The Title "Chemist."

SIR,—In regard to the correspondence on the title "chemist" (*C. & D.*, February 9, p. 51), I agree with Mr. R. G. McKinstry that we should seek to obtain the title "apothecary" as a statutory title. The word apothecary in meaning chiefly corresponds to "druggist," but is more than that, as it takes in the meaning of "galenical operator" from the Greek ἀποθήκη. The work of the true chemist has in these days become relegated mostly to the wholesale chemist, yet so well do the public understand by "chemist," "one who dispenses, etc.," that it is advantageous to retain such a title as chemist and apothecary for Minor men (and ph. chemist for Major men).

Faithfully yours,

Sterkstroom, Cape Province. E. LANGHAM.

### The Future of Pharmacy.

SIR,—Arising probably out of Mr. Hugo Wolff's election address, controversy has been once more excited over this vexed and time-worn question. The fact that this candidate has been successfully returned cannot fail to reveal to his critics that the aspirations of a large proportion of present-day pharmacists are grossly commercial, and that the principle of profit-mongering is dominant in their conception of pharmacy and its practice. It is, of course, idle to recommence the old argument that chemists must live—there is not likely to be anyone quite so ridiculous as to suggest that they shouldn't; but probably never has the need for a deeper consideration of the truth that "By bread alone they shall not live" existed than to-day. If the subject of the future of pharmacy is to be dealt with ambitiously as such, it is necessary that the chemist should come out for a while into the open and, standing apart, survey the trend of pharmacy of to-day. What does he discover? He will see throughout his daily operations how relatively unimportant is the necessity for any serious education in either the scientific or technical aspect of his calling. In fact, he could truthfully say that the pharmaceutical education he has received is proving rather a hindrance than a help in developing the present remunerative departments of his business; he will notice that the motive which actuates a large proportion of chemists is sordid and unprofessional in the proper interpretation of that term. It matters little or nothing that his activities day by day may be opposed to the immediate or ultimate interests of those he serves, or that progress towards a worthier and more scientific function on the Continental principle is retarded and forgotten. Apparently an obsession to compete with the rest of the commercial world in the race for material gain has deliberately set in, regardless of the futility of such effort, in a restricted field of petty transactions and the relatively meagre success that is at best commercially attainable in pharmacy. Blindly the race goes on, and any hand, however irrelevant, that is extended to speed the exercise is grasped with childish fervour and avidity. When will chemists be consistent with regard to success in the grosser sense of financial gain? The absurdity of clinging to an educational system which is of practically microscopic value in the pursuit of profits is so painfully manifest. If the future pharmacist is to be a smart and tactful salesman, a purely business organiser, the creator of a selling-window, a cutter of prices, and advertising expert, why, oh, why does he wade through the totally extraneous technique of pharmacy and assume the painful steps of a Minor or Major candidate? Why does he spend the most susceptible years of his youth in gathering and assimilating purely pharmaceutical knowledge and experience? Surely a clean sweep should be made of such false and illogical procedure. Better far to establish colleges of business-training and the encouragement of all those theories and principles which promote the successful pursuit of commercial life where the soul cannot rise appreciably higher than the fruitful calculation of profits, the exercise of business economy, unremitting industry, and enterprise. But here we come to the parting of the ways, and well the saner of our pharmaceutical leaders know it. Pharmacy has a legitimate and altruistic niche in the domain of health welfare, and when a stage of development is reached where the necessities of pharmaceutical usefulness conflict with commercial interests the rupture is complete and nothing will reconcile them. I have declared out of a full conviction my belief that the future of pharmacy will be elevated or degraded respectively as it walks in harmony or antagonism with the profession of medicine and the interests of public health, and I repeat even more emphatically, the true path of pharmacy leads inevitably to reconciliation with the medical profession. Both sides stripped of all selfish and avaricious tendencies, a day should ultimately arrive when each will be prepared to make sacrifices in the cause of equitable and sympathetic co-operation. There will be a bitter contest, but a new era will dawn for pharmacy if we be but faithful to our better selves. Let us make no claim which in our hearts we know to be unworthy, but stand like granite for the principles which represent all that is best in our rightful sphere of work and contribute to the continuity and development of those duties for which pharmacists are naturally and peculiarly fitted, or which in due season they will by reason of a more comprehensive training and education fit themselves. We have now a Council representing all shades of opinion, and with strongly marked potentialities for good or evil. I appeal to this reconstituted body with all sincerity to seek out a path for pharmacy which shall lead to loftier pharmaceutical endeavour—by every legitimate means to promote the financial betterment of pharmacy, but, above all, in that scientific sphere of usefulness which every true pharmacist should occupy. The future of pharmacy is inseparably bound up in the Pharmaceutical Society; by and through it pharmacy moves, breathes, and has its being. Everyone having the best interest of pharmacists at heart should strive to maintain the Society as a learned body having power to secure the higher recognition and training of pharmacists, and not as an oracle for smug-spirited drug-grocers, as some of our self-styled deliverers would make it.

Faithfully yours,

Southend-on-Sea. SYDNEY F. BODY.

## Subscribers' Symposium.

**For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.**

*Radiator Leak-Preventive.*

Referring to the inquiry in the *C. & D.*, May 25, p. 52, as to what powder is added to the water of motor radiators to prevent leakage, *G. M. P.* (87/43) informs us that water-glass is used for the purpose.

*Mr. E. A. Holloway* (Southend-on-Sea) also writes: "Pea-flour is added to the water of motor radiators in the proportion of about ½ lb. to 5 gals. of water. It forms a kind of emulsion and stops slight leakage, but it makes an unpleasant mess and eventually blocks the sound tubes of the radiator."

*Mr. R. Hurran* (*R. J. Fullwood & Bland*) writes: "Ordinary fine oatmeal, to be obtained at any grocer's, is very useful for this purpose. The engine should be run till the water in radiator is very hot, and a heaped dessertspoonful of oatmeal then put in while the water is circulating. I have found this stop fairly bad leaks on my 'Rover' car, and have been surprised at the good results. Your inquirer will understand this is more or less of an emergency proceeding, and it is not wise to continue the practice too long."

*Supplying Drug Addicts.*

*Honour First* (22/5), replying to "W. L. T." (*C. & D.*, May 18, p. 51), writes: "He should gently but firmly decline to supply chlorodyne unless on the prescription of a fully qualified medical man in such a case as he describes. An unwritten but honourable trust is placed in him as an educated and honourable man not to degrade his craft by selling, for mercenary motives (as he undoubtedly is), a potent preparation, but in every case so far as lies in his power to see it is only used for legitimate purposes; and such sales as he describes, though legitimate, are dishonourable."

## Legal Queries.

**Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.**

*E. R.* (89/1).—(1) In selling compound liquorice-powder made from a war emergency formula, the purchaser should be told that the article that is being sold is not prepared from the formula of the British Pharmacopœia. You should keep the proportion of the ingredients the same, using starch sweetened with saccharin in place of the sugar. (2) There is no Excise duty on lemonade-powders.

*J. T. R.* (78/53).—(1) It is a fact that by Section 15 of the Pharmacy Act, 1868, the use of the title "chemist" is restricted to persons registered under that Act, and by the Poisons and Pharmacy Act, 1908, limited companies carrying on business in conformity with the last-named Act may also style themselves chemists. (2) The controlled price of saccharin tablets only applies to those which are made of saccharin of British manufacture.

*Oxon* (75/7).—Known, Admitted, and Approved Medicines.—We have stated on many occasions that persons who have served a regular apprenticeship, as testified by indentures, may, by the Medicine-stamp Act, sell on their own account known, admitted, and approved medicines without incurring liability to stamp-duty. This does not entitle persons who are not registered chemists to sell statutory poisons.

*Virides* (74/13).—The Board of Customs and Excise, through the local officers, issue forms upon which application is made for repayment of the amount of the extra duty imposed by the Budget. The formalities which have to be gone through, and which are necessary because of the Revenue authorities' view that only definitely medicinal galenicals may be made with spirit upon which rebate is allowed, tend to prevent small users of spirit from taking advantage of the concession. It becomes cheaper to purchase from the wholesale houses, and, as you say, the practice of pharmacy by chemists will in consequence tend to die out.

*Vinum* (83/8).—Wine-licences.—Applications for "off" licences for the sale of wine by retail in England and Wales must be made at the general annual licensing meeting held in February. Applicants have to go through certain formalities, beginning at least twenty-eight days before they apply, and the necessary forms should be obtained well ahead. The Clerk to the Licensing Justices, the overseers, and superintendent of police are the officials who should be addressed.

## Miscellaneous Inquiries.

**When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.**

*Velox* (82/61).—(1) Eczema in Dog.—The symptoms you describe as to the condition of the dog's toes make it probable that it is a form of pustular eczema. The treatment should be a mild purgative, and then the following mixture night and morning:

| | |
|---|---|
| Ammon. iodidi ... ... ... | gr. v. |
| Sodii bicarb. ... ... ... | gr. xx. |
| Liq. arsenicalis ... ... ... | ♏v. |
| Aq. ad ... ... ... ... ... | ʒss. |

The diet should consist of fish, bread-and-milk, and light soups. Externally poultice the part with belladonna or opium preparations, then wash with weak solution of Jeyes' fluid (1 in 50), and paint with tinct. iodi. It may be necessary to touch the pustules with argent. nit. or zinci chlor. gr. xx. in sp. vini ʒiij. (2) Aphtha in Sheep.—The eruption on the sheep's face is malignant aphtha. It is supposed to be due to derangement of the blood. The animal should be dosed with mag. sulph., which should be followed by daily doses of sodii hyposulphate ʒij. The affected parts should be washed with a weak disinfectant and dressed with ung. zinci. A periodic dressing of mild ung. hydrargy. materially assists in the growth of the wool on those parts where it has been shed.

*J. R.* (84/38).—Copper-sulphate Prices.—These were given for different quantities and various periods in the *C. & D.*, February 23, p. 33.

*R. C. F.* (88/50).—Etching-liquid for Steel.—The following answers well, and does not corrode rubber stamps if applied by that means:

| | |
|---|---|
| Cupri sulph. ... ... ... ... | ʒj. |
| Ammon. chlor. ... ... ... | ʒss. |
| Ac. acetic. dil. ... ... ... | ʒij. |

Misce.

*Westmorland* (85/62).—Fly-pest in Cowshed.—After cleaning out the cowshed and whitewashing the walls—the whitewash should have some carbolic acid incorporated with it—the floors should be watered regularly with a 1-in-40 dilution of sodium sulphocarbonate. The smell of the liquid is not pleasant, but Professor Lefroy, who recommends it, finds the chemical particularly efficacious.

*W. E. W.* (84/60).—Saccharin Dilution.—Twenty-five grains of saccharin is equal to 1 lb. of sugar, and to make soluble saccharin 14 per cent. of sodium bicarbonate is employed. The mixture can be diluted with milk-sugar so as to be four, six, or eight times stronger than sugar.

*Gaucho* (88/3).—Manufacture of Pyramidon.—Particulars of the expired patents by which pyramidon is made were given in The Chemist and Druggist, April 10, 1915, p. 48. The word "Pyramidon" is still on the Register of Trade-marks as the property of alien enemies.

# Retrospect of Fifty Years Ago.

**Reprinted from "The Chemist and Druggist," June 15, 1868.**

### The Metric System.

The metric system of weights and measures has been discussed by the House of Commons, and a Bill for insuring its adoption in the United Kingdom has been read a second time. The further consideration of the Bill is deferred until after the publication of the report of the International Commission on Weights and Measures. We learn with pleasure that the adoption of the metric system has been recommended by the Liverpool Chemists' Association in a resolution carried unanimously at a recent meeting. A writer in the "Athenæum" makes fun of the proposal to reform our weights and measures, and threatens to demolish the metric system at the proper time. He says: "As soon as we scent a metre we shall mill a metre, hack at a metre, and kill a metre." These puns betray Professor De Morgan, the humorous mathematician, whose strange aversion to the metric system ought to be noticed in his own "Budget of Paradoxes."

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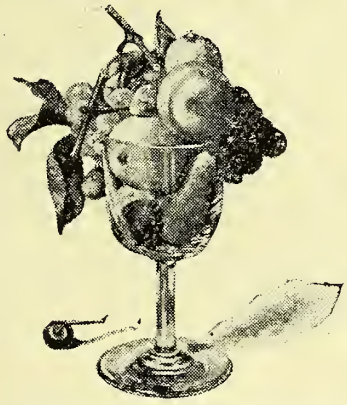

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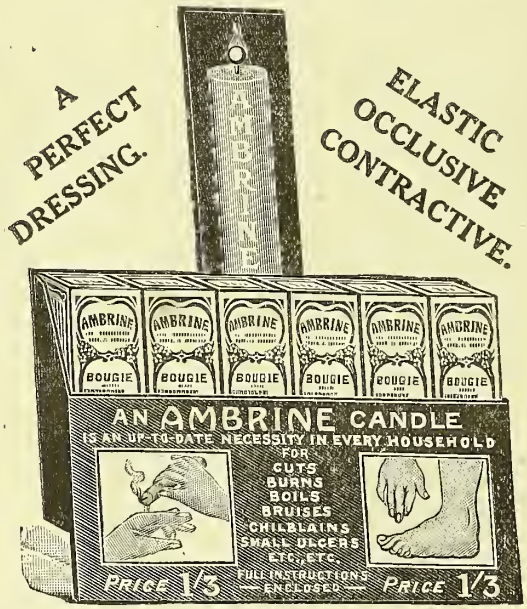


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Orris, Englisb Ground, 1 cwt. @ 170/- cwt. ; 7 lbs. @ 1/9½ lb.
Oss. Sepiæ Pulv., 1 cwt. @ 112/- ; 7 lbs. @ 1/3 lb.
Otto Rosæ, finest, 1 oz. at 72/- oz. ; No. 2, 1 oz. @ 45/- oz.
Oxymel Scillæ, B.P., 1 cwt. @ 200/- cwt. ; *7 lbs. @ 2/- lb.

Papain, 1-80, 1 oz. @ 3/- oz.
Paraffinum Durum, B.P., 2 cwt. @ 1/1 lb. ; 1 cwt. @ 1/1½ lb. ; 56 lbs. @ 1/1¾ lb. ; 7 lbs. @ 1/2 lb. ; Molle Flav., B.P., 3½ cwt. @ 77/6 cwt. ; 1 cwt. @ 86/- cwt. ; 28 lbs. @ 10½d. lb. ; 7 lbs. @ 1/-lb. ; Alb. B.P., 3½ cwt. @ 195/- cwt. ; 28 lbs. @ 1/11 lb.
Paraldehyde, B.P., 1 lb. @ 13/6 lb.
Pepsin, B.P., 1 lb. @ 32/6 lb.
Phenacetin, P.B., pulv., 1 lb. @ 32/6 lb.
Phenazone, P.B., 1 lb. @ 55/- lb.
Phenolphtbalein, 1 lb. @ 68/6 lb.
Pix Burgund., Druggists', 1¼ cwt. @ 48/- cwt. ; 7 lbs. @ 7d. lb.
Plumbi Acetas, Druggists', 1 cwt. @ cwt. ; 7 lbs. @ lb. ; Powder, lb. extra.
Podophyll. Resina, P.B., 1 lb. @ 32/- lb.
Potassa Caustica Sticks, P.B., 1 lb. Bots. @ 14/-
Potass. Acetas. Gran., P.B., 28 lbs. @ 4/3 lb. ; 7 lbs. @ 4/5 lb.
Potass. Bicarb. Pulv., 7 lbs. @ 3/1 lb.
Potass. Brom. P.B., 7 lbs. @ 12/- lb.
Potass. Chlor. Pulv., 7 lbs. @ 3/2 lb.
Potass. Cit. B.P., 7 lbs. @ 4/10 lb.
Potass. Cyanidum, 98%, 7 lbs. @ 3/9 lb.
Potass. Iod., P.B., 14 lbs. @ 15/2 lb. ; 3 lbs. @ 15/7 lb.
Potass. Metabisulph., 7 lbs. @ 3/3 lb.
Potass. Permang. Cryst., 2 lbs. @ 16/- lb.
Potass. Prussias Flav., 7 lbs. @ 4/9 lb.
Pulv. Cretæ Arom. P.B., 14 lbs. @ 1/3 lb. ; c. Opio, B.P., 7 lbs. @ 4/6 lb.
Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 135/- cwt.
Pulv. Ipecac. Comp., P.B., 1 lb. @ 11/6 lb.
" Jalap Comp., P.B., 1 lb. @ 4/4 lb.
" Rhei Comp., P.B., 1 lb. @ 3/3 lb.

Quassia Chips, 1 cwt. @ 53/6 cwt. ; 28 lbs. @ 6½d. lb.
Quinine Hydrobromas, B.P., 25 oz. @ 4/4 oz. ; 10 oz. @ 4/6 oz.
Quinine Hydrochlor., B.P., 25 oz. @ 4/3 oz. ; 10 oz. @ 4/4 oz.
Quininæ Sulph., B.P., 100 oz. @ 3/9 oz. ; 25 oz. @ 3/11 oz. ; 10 oz. @ 4/- oz.

Rad. Gentian, English Ground, 1 cwt. @ 118/- cwt. ; 7 lbs. @ 1/2 lb.
Rad. Jalap, English Ground, 28 lbs. @ 3/3 lb. ; 7 lbs. @ 3/5 lb.
Rad. Rhei, E.I., Englisb Ground, 1 cwt. @ 1/9½ lb. ; 28 lbs. @ 1/11 lb. ; 7 lbs. @ 2/1 lb.
Rad. Rhei, E.I. Trimmed, 7 lbs. @ 7/6 lb. ; 1 lb. @ 8/- lb.
Resorcin, B.P. 1 lb. @ 70/- lb.

Saccharine, 7 lbs. @ lb. ; ·550 or ·500, 1 lb. @ lb.
Saccbar. Ust., 1 cwt. @ 115/- cwt. ; 10 lbs. @ 1/4 lb.
Saffron. Valentia, B.P., 7 lbs. @ 48/6 lb. ; 1 lb. @ 50/- lb. ; 1 oz. @ 3/6 oz.
Salicinum, B.P., 1 lb. @ 34/- lb.
Salol, B.P., 1 lb. @ 12/- lb.
Sang. Draconis, pulv., English Ground, 7 lbs. @ 4/- lb.
Santoninum, P.B., 16 oz. @ 195/- lb.
Sapo Cast. Alb., 2 cwt. @ cwt. ; 7 lbs. @ lb. ; pulv., 1 cwt. @ cwt. ; 56 lbs. @ lb. ; 7 lbs. @ 1/8 lb. ; Animal pulv. 1 cwt. @ cwt. ; 56 lbs. @ cwt. ; 7 lbs. @ lb.
Scammony Resin, Pulv., B.P., 7 lbs. @ 10/6 lb. 1 lb. @ 11/- lb.
Shellac (Orange), 1½ cwt. @ 430/- cwt. ; 7 lbs. @ 4/- lb.
Soda Cit., B.P., 3 lbs. @ 3/9 lb.
Sodii Bromid., P.B., 7 lbs. @ 6/3 lb.
Soda Hyposulpbite, pea cryst., 1 cwt. @ 70/- cwt.
Soda Hypopbospb., 7 lbs. @ 4/7 lb. ; 1 lb. @ 4/9.
Sodii Salicyl. Pulv., 2 lbs. @ 8/6 lb.
*Spt. Æther Nit. P.B., 4½ lbs. @ 5/7 lb. ; 1 lb. @ 6/- lb.
* " Ammon. Aromat., P.B., 5 lbs. @ 4/7 lb.
* " Cbloroform, P.B., 5 lbs. @ 5/4 lb.
Strontiæ Bromid., 1 lb. @ 8/6 lb.
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Sulphonal, P.B., 1 lb. @ 90/- lb.
*Syr. Aurant., P.B., 7 lbs. @ 1/2½ lb.
* " Easton, B.P., 7 lbs. @ 1,9½ lb.
* " Ferri Iodid. P.B., 7 lbs. @ 1/9 lb.
* " Ferri Phospb. Co., 7 lbs. @ 10½d. lb.
* " Hypophospb. Co. B.P.C., 7 lbs. @ 1/5 lb.
* " Pruni Virg. B.P., 7 lbs. @ 1/1½ lb.
* " Rhamni, 7 lbs. @ 1/2½ lb.
* " Rbei, B.P., 7 lbs. @ 1/3 lb.
* " Scillæ, P.B., 7 lbs. @ 11d. lb.
* " Sennæ, P.B., 7 lbs. @ 1/4 lb.
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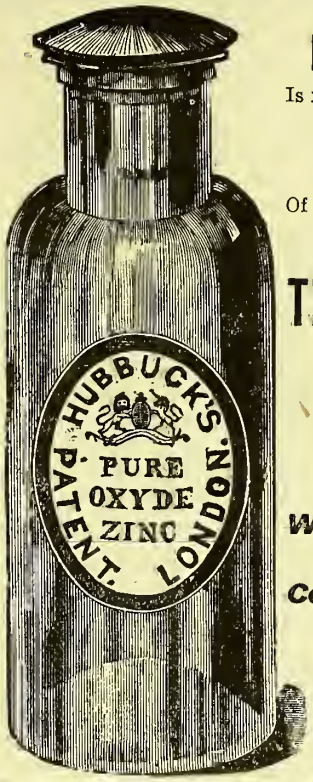


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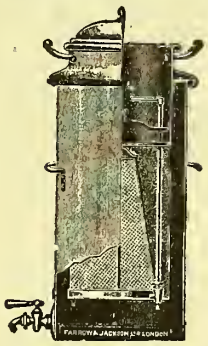

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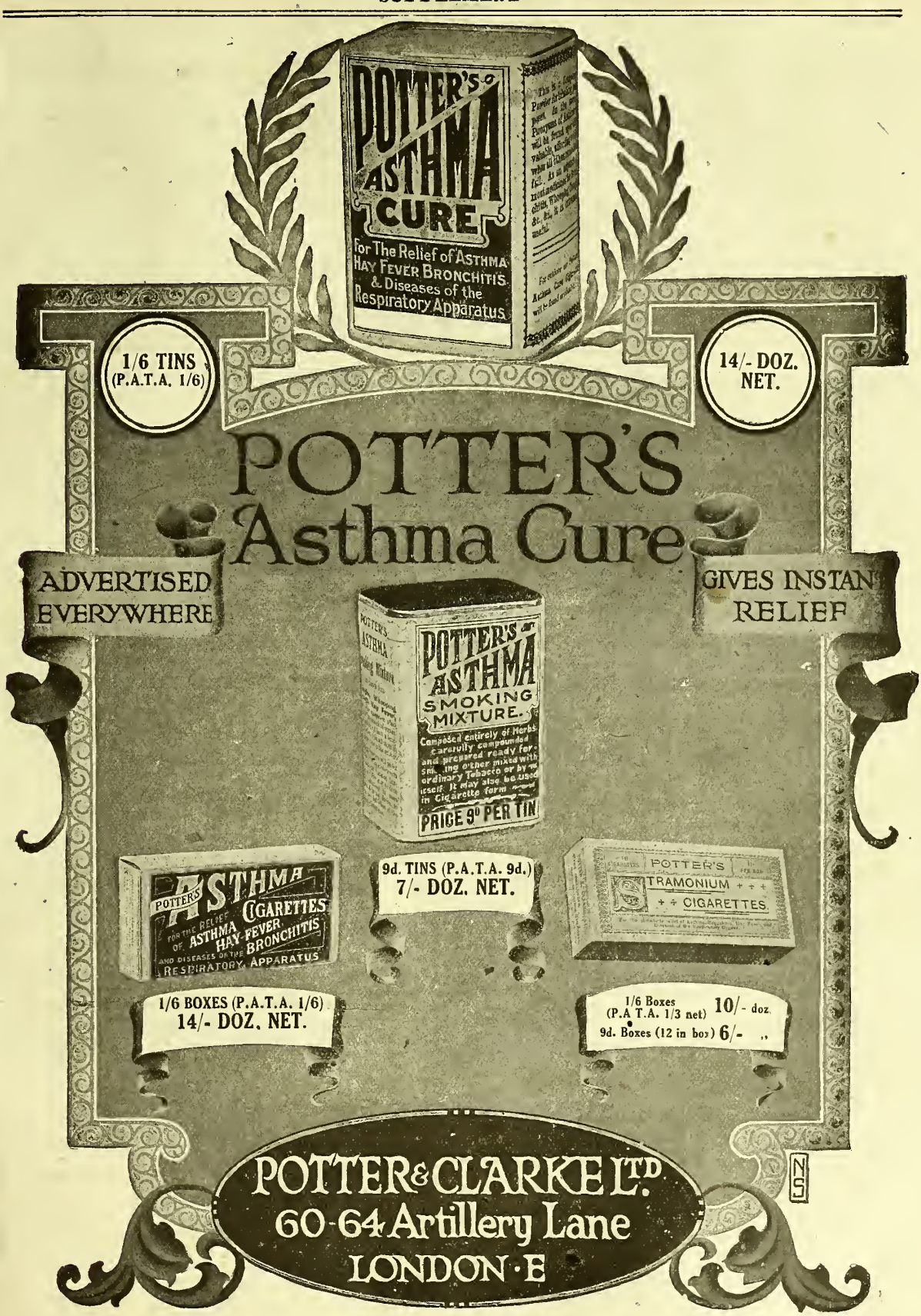


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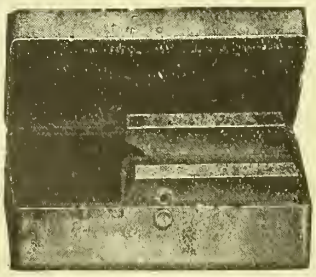

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| Size No. 1 | per gross | Towels | 12/- | To retail at | 1/3 | per | packet |
| Size No. 2 | per gross | Towels | 16/10 | " | 1/9 | " | |
| Size No. 3 | per gross | Towels | 21/7 | " | 2/3 | " | |
| Size No. 4 | per gross | Towels | 26/5 | " | 2/9 | " | |

Size No. 4 suitable for Accouchements
Sizes Nos. 1 & 2 in packets of ½ dozen at extra cost of 6d. per gross Towels
" " 3 & 4 " " " " 1/- " "

**The Most Comfortable of all Ladies' Towels.**

**THE CYNTA MANUFACTURING COMPY.**
**St. Thomas' Place,**
**STOCKPORT.**

# Glass Capsules and Lampblown Glassware.

Messrs. JOHN TYE & SON
457 Caledonian Road, London, N.,
have during the last two years enormously increased their Glass-blowing department, and propose to bring before the Wholesale Drug Trade their newer activities.

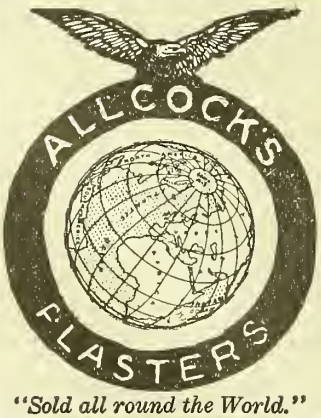
*Our next advertisement will relate to Crushable Glass Capsules.*

ESTABLISHED 1847.

# Allcock's PLASTERS

A REMEDY OF 70 YEARS' STANDING.

**Allcock's Plasters**
**Allcock's Corn and Bunion Plasters**
**Brandreth's Pills**
*The Three Reliables.*




*Prices and Terms on application to*
ALLCOCK MANUFACTURING COMPANY
22, Hamilton Sq., Birkenhead, England.

*"Sold all round the World."*

# Glass Bottles

Medical & Dispensing Bottles of every description. Emulsions, Ammonia Ovals, Brilliantines, Limes, Vials, Varnish Panels, Coffees, Sauces, Cordials, Crystal Bottles, Honey Jars, Vaseline and Pomade Bottles, &c. &c.

PROMPT DELIVERIES.
SEND US YOUR INQUIRIES.

**TOM LAYCOCK & CO.**
(TOM LAYCOCK, Proprietor),
**Isles Lane, Holbeck, LEEDS.**

The Jag—The Repair
and
Mend-a-Tear
PATENT

Mend-a-Tear, that wonderful new material which mends without stitches. Note that the above illustrations are reproduced from actual photographs of the same piece of cloth before and after treatment—as also that neither photographs nor negatives has been touched by the artist. And with this evidence before you say if you don't think you could sell this wonderfully novel line. There's a really good profit for you, and it retails in either form—General Outfit (for all kinds of clothes)—Khaki (for Macintoshes, etc.), at **1/- per Carton.**

Ask your wholesaler for further details, terms, &c., or apply to the Patentees and Manufacturers:—

**LEICESTER RUBBER COMPANY, LTD.,**
Makers of the World-renowned John Bull Motor Cycle Tyres,
**18 GRANBY MILLS, LEICESTER.**

1291

**ASBESTOS FILTER FIBRE**

Specially prepared for the filtration of Water, Beer, Spirits, Vinegar, Wines, Gelatine, Pharmaceutical Products and Essences.
GIVES A CLEAR AND SPARKLING FILTRATE AT A MINIMUM COST.

**PURE, NEUTRAL AND INSOLUBLE.**

*Write for Samples and Prices to*
**TURNER BROTHERS ASBESTOS Co., Ltd.,**
ROCHDALE, England.

**MEDICAL DISPENSING BOTTLES.**

**T. FERRY & SON, Ltd.**
PARK LANE GLASS WORKS,
GATESHEAD-ON-TYNE.

Telegrams: "BOTTLES GATESHEAD." Telephone: 70 GATESHEAD.

**BEST BLACK I.R. TUBING (Ingram's)**
15/6 lb.

**TRANSPARENT I.R. RINGS AND TEATS**
2/6 doz.; 27/- 1 gross lot.

**TRANSPARENT 1-HOLE TEATS**
(for Tube Feeders) 7/6 and 11/- gross.

**4½d. CORN VELVET (40% Sal. Acid)**
On 3 doz. cards, 2/8 doz.

**BLACK SEAMLESS ENEMAS**
Best English (boxed complete).
27/- doz. small ball; 33/- doz. large ball.

**BONE TEETHING RINGS**
1/3, 1/9, 2/-, 2/6 doz.

*Terms: Net Cash; Carriage paid on 30/- lot in United Kingdom.*

**THOS. SWALES,**
DRUGGISTS' SUNDRYMAN,
24 Butts Court, & 89 Albion Street, LEEDS.
Telephone No. 3702.

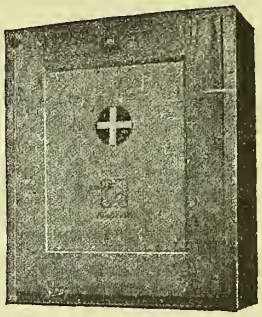
THE FASTNET

# First Aid Cabinets

No. 1.

Dimensions: 10 by 8 by 3½ in.

25/- ea



No. 2

Dimensions: 15 by 12½ by 3½ in.

45/- ea

Carriage paid Nett cash with order. Wholesale terms on application.

Complying with the requirements of the Home Office First Aid Order of October 12th, 1917, in Blast Furnaces, Copper Mills, Iron Mills, Foundries and Metal Works.

As recommended also in the Memorandum on Sickness and Injury issued by the Health of Munition Workers' Committee, such First Aid provision is desirable in all Factories, Workshops and premises in case of accidents.

JOHN TIMPSON & Co., Ltd., 104 & 106, Golden Lane, London. E.C.

# GLASS BOTTLES & GLASSWARE

OF ALL DESCRIPTIONS.

Buyers in India, Australia, South Africa, and the Far East should send samples (two of each) and quantities required for quotations to

J. L. THOMPSON & CO., P.O. Box 22, KOBE, JAPAN.

*Cable Address: "FRANKLIN KOBE."*

FULLY ILLUSTRATED CATALOGUE OF SURGICAL INSTRUMENTS SENT POST FREE ON APPLICATION.

# AMPOULES.

JOHN BELL & CROYDEN, Ltd.,
Wigmore Street, W.1.

Specialise in Ampoule Filling.

CHEMISTS' SPECIAL FORMULÆ PREPARED ACCORDING TO REQUIREMENTS.

Special Quotations for Large Quantities.
*SEND FOR PRICE LIST.*

Tel: L.W. 7781. Tel. Add: "Hydracetol, Phone, London."

# BENZOATES

LIMITED.

ENGLISH

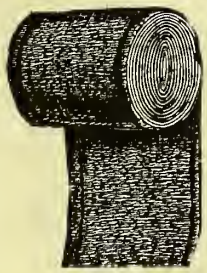
MANUFACTURERS OF BENZOIC ACID, SODIUM BENZOATE, Etc.

VERY FINEST QUALITY.

76 FINSBURY PAVEMENT, LONDON, E.C. 2.

# CRÊPE BANDAGES. BRITISH MAKE.

LIGHT AND COMFORTABLE TO WEAR.



ELASTIC, BUT CONTAINS NO RUBBER.

Fig. 1331.—The **"Saffron" Crepe Bandages**, fast edges, 5½ yards long when stretched out—

| | | Width 2 in. | 2½ in. | 3 in. | 3½ in. |
|---|---|---|---|---|---|
| Medium substance for ordinary wear ... ... ... ... ... ... | per doz. | 10/- | 11/6 | 13/- | 16/6 |
| Stout " " " **hard** " ... ... ... ... ... ... ... | " | 13/- | 15/- | 15/6 | 24/- |

Full directions for use with each Bandage.

Cotton Elastic Web Bandage ... ... ... ... per doz. yards, 2 in. **5/-**, 2½ in. **6/6**, 3 in. **8/6**.

## THE "EMPIRE" ELASTIC HOSIERY.

| | | Stockings. | Knee Caps. | Anklets. | Leggings. |
|---|---|---|---|---|---|
| Cotton Elastic, ordinary quality, for **hard** wear ... ... ... | per pair | 5/6 | 4/6 | 4/6 | 5/- |

5 % discount allowed for prompt cash off above prices.

**We are the right House for British-made Goods, Catheters, Enemas, Elastic Hosiery, Hot Water Bottles, Injection Syringes, Pessaries, Sponge Bags, Trusses, Water Beds, Water and Air Cushions, Waterproof Sheeting; and every description of Rubber Goods.**

*ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.*

## BURGE, WARREN & RIDGLEY, LTD.,

91 & 92 GREAT SAFFRON HILL, LONDON, E.C. 1.

# Salvo Petrolia

**the perfection of Petroleum Jelly**

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

*MANUFACTURED SOLELY BY*

**The Dee Oil Company, Ltd.**

**Delta Works . Bootle . Liverpool.**

Packed in barrels, kegs, and smaller packages according to requirements.

Inquiries are solicited for this article of **BRITISH MANUFACTURE**, and buyers may rely that for quality and price it will meet any competition.

Other Grades

**Petroleum Jellies, White Bases, &c.**

Samples and prices on application.

**"OLEUM DEELINÆ,"** a certain cure for Eczema.

'Phone: 186 Bootle. Wires: "Cestrian Liverpool."

We offer

# WAXES

# PETRO. JELLY

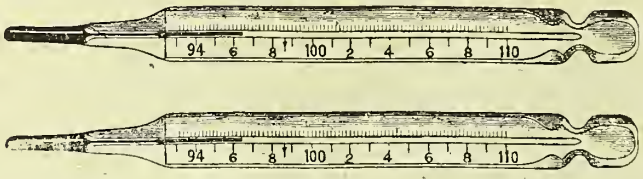
# LIQUID PARAFFIN B.P.

# WHITE OILS

Send us your inquiries.

**J. J. FRANSES & SONS,**
LIMITED,
**80a Southwark St., LONDON, S.E. 1.**

# Clinical Thermometers




**Guaranteed Accurate. The Cost is Low.**

*WRITE FOR SAMPLES AND PRICES TO*

**MOTOSABURO TANABE,**

HONCHO, NIHOMBASHI-KU,

CABLE: "TABEMOTO". TOKYO, JAPAN. CODES: A B C 5TH & BENTLEY'S.

*Manufacturer, Importer & Exporter of*

*Drugs, Chemicals and Druggists' Sundries.*

*Correspondence with foreign and colonical firms solicited.* (1)

# THERMOMETERS AND HYDROMETERS

Clinical and Chemical Thermometers of high quality a special feature.

**A. T. REYNOLDS,** Barnsbury Hall, Barnsbury Street, LONDON, N. 1.

*Immediate Delivery.* *Wholesale and Export.*

# MICROSCOPES SPECTROSCOPES

*Bought, Sold or Exchanged.*

**JOHN BROWNING, 146 Strand, London.**

ESTABLISHED 1865.

# DIABETES

CHELTINE FOODS CO., CHELTENHAM.

FLOUR BISCUITS, BREAD, FOOD, etc.

Highly Recommended by Medical Profession.

INFANTS' FOODS packed under Chemists' "OWN NAMES."

*All particulars on request.*

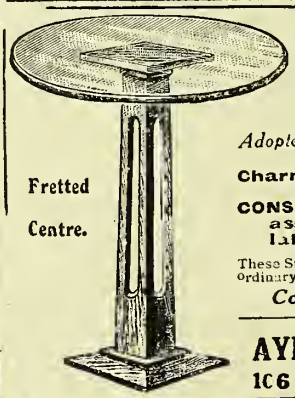
# RADIUM COMPOUND.

***SELF-LUMINOUS.***

Highest Possible Efficiency, Durability & Value.

As supplied to H.M. Government, &c.
Guaranteed to pass N.P.L. requirements.
All Grades in stock, from 15/- per gram.
RADIUM SALTS TESTED AND CERTIFIED.

**F. HARRISON GLEW,** THE RADIUM LABORATORY
**156 Clapham Road, London, S.W.**




**OAK PEDESTALS**
AND
**Plate Glass Shelves**

*Adopted by Leading Window Dressers*

**Charming and Artistic Effects**

**CONSTANT CHANGE OF SHOW assured. Window-dressing labour more than halved**

These Stands can be used in conjunction with ordinary rows of Window Shelves if desired.

*Complete Sets from 25/-*

**AYRTON-GRAHAM, Ltd.**
**106 Duke St., LIVERPOOL.**

TRADE MARK
ROZOAK
REGISTERED
GUARANTEED BRITISH MADE
"KEMSUN"
STERILIZABLE
ENEMA
The ONLY ENEMA with a STERILIZABLE RUBBER VAGINAL PIPE
33/- per dozen
Special Terms to the Wholesale Trade
Fully GUARANTEED for 2 YEARS
IMMEDIATE DELIVERY
33/- per dozen
Special Terms to the Wholesale Trade
FITTED with PURE INDIARUBBER VAGINAL PIPE
Nothing like it on the Market.
SUPERSEDES THE INSANITARY ELASTIC GUM PIPES as fitted to ALL OTHER ENEMAS.
CHEMISTS SUNDRIES LTD MANCHESTER

THE GIANT REMEDY.
Rechristened by the Americans "The Great English Remedy."

Awarded 2 Gold Medals and 2 First Prizes, International Exhibitions, 1914. Tel. Address: "GIANT, PLYMOUTH."
PARIS AND ROME.

BOX'S PILLS

PRICE 13½d., 2/9, 4/6, 11/- & £1 1 0 PER BOX. POST FREE.

Prepared only by the Proprietor—
W. H. BOX, Giant Pill Manufactory, 161 & 163 King St., PLYMOUTH.

ELASTIC GUM SURGICAL INSTRUMENTS.

Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Œsophageal Instruments, Horse Catheters and Cattle Probangs. Wholesale and Export only. *Price List from the Manufacturers.*

MASON BROS. & CHAPMAN, 107 Whitecross St., LONDON, E.C.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—
PRESTON'S LIVERPOOL DISTILLERY Co., Ld.
The Largest Makers in the Kingdom,
BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

PURE ORANGE WINE
A. MILLAR & CO., LTD., DUBLIN
(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only)
London Agent: JAMES STIRTON 43 GREAT TOWER STREET, E.C.

SPECIAL NOTICE
TO THE
TRADE.

Owing to the shortage of tinplate and cardboard, and the increased cost of raw materials, we are compelled to make changes in the packing and price of

FUMO-TARACINE

In future the Retail Selling Prices will be as follows:
2 oz. size, 1/4½; 4 oz. size, 2/3; 16 oz. size, 6/3
(Inclusive of Free Vaporizer).

For the benefit, however, of customers who have secured a Free Vaporizer with their first bottle and do not require a second, we are supplying FUMO-TARACINE at:
2 oz. size, 1/1½; 4 oz. size, 2/-; 16 oz. size, 6/-
(Without Vaporizer).

The TRADE DISCOUNT WILL REMAIN AS AT PRESENT, thus showing a slightly increased profit. Orders received from this date will be subject to the alterations above.

FOR MEASLES and WHOOPING COUGH. } FUMO-TARACINE THE VAPORIFIC CURE.

THE COAL BY-PRODUCTS CO.
112 High Holborn - LONDON, W.C. 1.
Telegrams: "Cobyproco, Westcent, London."

Tels.: "Ideas Leeds." 'Phone: 1635

ALF. HARRISON & SONS

*General Printers,*

224 Burley Road, Leeds,

Are the people you require to execute your orders promptly and in first-class style.

ENVELOPES & FOLDING BOXES A SPECIALITY.

We shall be pleased to quote for your requirements.

Hours of Business:
8.30 a.m. to 1.0 p.m.
2.0 p.m. to 5.0 p.m.
Saturday:
8.30 a.m. to 1.0 p.m. only.

Sangers
258 Euston Road,
LONDON, N.W. 1.

Telephone:
Inquiry—Museum 962.
Orders—Museum 700 to 704 (5 lines).

# SERVICE.

*HELP*, if you prefer the word, for that is what we have concentrated upon during these years of war. We have striven to *HELP* everyone of our customers to keep pace with the ever-changing market.

And we are proud of the fact that we are the house dealing in Chemists' Sundries and Proprietary Articles that has continued to issue a Monthly List of Price Alterations.

When you consider that paper alone is up in price 500%, and that the average number of price alterations per month for the last three years works out at about 600, you get some idea of what that *HELP* has cost.

For the benefit of our old friends we trust we shall be able to continue to *HELP*—we shall do our utmost—but until the brighter days come we regret we cannot post our List to other than our regular customers.

When that good time "after the war" does come, we hope to see every chemist in the kingdom on our mailing list. It will pay you to be there as surely as it has paid your competitor.

*Trade Mark.*

*Established 134 Years.*

# R. J. Fullwood & Bland

The OLDEST and LARGEST Firm of

## ANNATTO, RENNET

and BUTTER COLOUR Manufacturers in GREAT BRITAIN

**GERMANS** have never had any interest whatev r in R. J. F. & B.'s firm, which has been carried on by British partners and with British capital since it was established in 1785. Others who claim to be the only makers of Rennet in England CANNOT SAY THIS.

**R. J. F. & B. have secured large quantities of Calves' Stomachs, and are now open to book orders for any quantity of Rennet.**

*Sole Addresses:*

**31, 33 & 35 Bevenden St., Hoxton, London, N. 1**
**and Rennet Works, Ellesmere, Salop.**

"SUSAN" IS PLEASED AT THE CLEAN KITCHEN SHE HAS SECURED AS A RESULT OF THAT TIN OF HAWLEY'S I.K. WHICH SHE BOUGHT FROM YOU!

EVANS SONS LESCHER & WEBB LTD.

# "Lanzone' Lanolin

The Odourless Adeps Lanæ, B.P. Manufactured by

**THE LONDON PHARMACEUTICAL REFINERS, LIMITED,**
Martin's Yard, Endwell Road - - - LONDON, S.E. 4.

*Samples and Quotations from the Selling Agents:*

**THE PRODUCE BROKERS' COMPANY, LIMITED,**
24 St. Mary Axe - - - - - LONDON, E.C. 3.

# "FLYBANE" W.D.O.

For industrial purposes.

# "VERMIJELLI LIQUID"

For manure heaps. Kills maggots before the flies come into existence.

# "GARDEN WASH"

A simple wash for growing plants.

Manufactured by **S. BOWLEY & SON**
Wellington Works, Battersea Bridge, S.W. 11.

USE UNSKILLED LABOUR DO WORK QUICKER, SAVE LABOUR.

# Labour-Saving Machinery

**FOR GLASS BOTTLE FILLING, JAR FILLING, SHALLOW TIN FILLING, FLASK, CAN AND DRUM FILLING.**

Machines for filling all liquids and semi-liquids in any shape or size of receptacle. Write for particulars.

## Roberts' Patent Filling Machine Co.

BOLTON.

Labour-Saving Machinery, in comparison to what it can save, NEVER COSTS SO LITTLE AS NOW.

ESTABLISHED 1848 E. FORSHAW & SON LTD TEL. 123.
SOAP AND CHEMICAL PLANT MAKERS.
WARRINGTON, ENGLAND.

SOAP & CHEMICAL BOILING PANS
STEAM JACKETTED PANS
MIXING PANS
EVAPORATORS, STILLS &c
AND EVERY DESCRIPTION OF
SOAP AND CHEMICAL PLANT.

No 1 Plant For Experimental purposes.
No 2 Plant Output 100 to 200 pounds per day
No 3 Plant Output 300 to 400 pounds per day
No 5 Plant Output 2000 to 2500 pounds per day.
No 4 Plant Output 800 to 1000 pounds per day.

Established 1848
Telephone No 123

E. Forshaw & Son Ltd
SOAP AND CHEMICAL PLANT MAKERS.
WARRINGTON, ENGLAND.
MILLED TOILET SOAP PLANT.
HOUSEHOLD AND LAUNDRY SOAP PLANT.
GLYCERINE EXTRACTION PLANT.
CAUSTICIZING PLANT.
TALLOW MELTING PLANT.

No 8 large combined triple granite roller mill with triple rotary cutter. Granite rollers 12 inches long 20 inches diameter.
No 7 improved multiple roller milling and mixing mill made with 10, 12 or 14 rollers. This mill may be used in conjunction with our No 6 or No 7 plodder. Output 3 tons per day.
No 8 mammoth plodder with reduction gear for Motor drive. Output 3 tons per day.
No 6 Grant Bronze lined plodder Output 2 tons per day
Toilet Bar Cutting Machine.
Rotary Cutter or Shredder.
No 6 Grant Quadruple Roller Mill Output 2 tons per day

# Colton's Pharmaceutical Machinery.

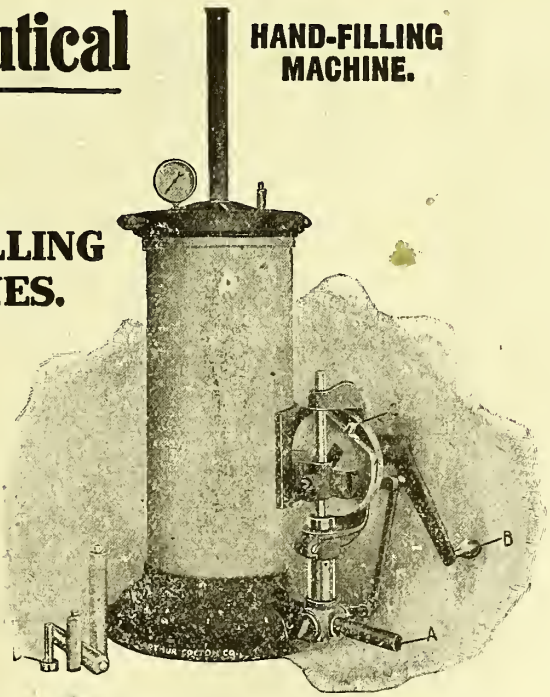
## COLLAPSIBLE TUBE FILLING and CLOSING MACHINES.

## TABLET AND PILL PLANT,

etc.

*LISTS FREE ON APPLICATION*

HAND-FILLING MACHINE.




JOHN J. GRIFFIN & SONS, LTD., KINGSWAY, LONDON, W.C.

# EBURITE PAPER CO., Ltd.

AMBERLEY ROAD, PADDINGTON, W.9.

# WE WANT WASTE PAPER

Best Prices. We Collect.

MAKERS OF

# CORRUGATED PAPER

## WHOLESALE PRICES OF PHOSFERINE.

**CASH WITH ORDER.**

| | | |
|---|---|---|
| **1/1½** size Phosferine | ... | **11/6** per dozen net. |
| **2/9** „ „ | ... | **28/-** „ „ „ |
| **4/6** „ „ | ... | **46/-** „ „ „ |

5 GROSS LOTS (assorted sizes if required) subject to 1¼ per cent. Cash Discount.
10 GROSS LOTS (assorted sizes if required) subject to 2½ per cent. Cash Discount.

## PROTECTED PRICE.

The selling price of Phosferine is Protected, it must not be retailed in the United Kingdom under the following prices, viz.:—1/1½, 2/9, and 4/6.

# PHOSFERINE

## The Greatest of all Tonics

Is a good paying line for Chemists—the Retail price is protected, and as it contains nothing poisonous, it can be sold without restriction.

Being a highly Concentrated Medicine, its storage occupies very little of the valuable space in a Pharmacy.

It is one of the largest advertised medicines in the kingdom, and sells freely.

It can be recommended with the greatest confidence for all Nerve Pains, Nervous Disorders, Rheumatism, Nervous Headache, Dyspepsia, General Debility, etc.

## ROYAL COMMANDS.

PHOSFERINE has been supplied by Command to

**Members of the British Royal Family,**
**H.I.M. The Empress of Russia,**
**H.M. The King of Greece,**
**H.I.M. The Dowager Empress of Russia,**
**H.M. The Queen of Roumania,**
**&c., &c.,**

A recommendation that can be claimed for no other Proprietary Medicine.

## ASHTON & PARSONS, Ltd.

**La Belle Sauvage, Ludgate Hill, LONDON, E.C. 4.**

# CAUTION.

To Imitators or Dealers in Imitations of

# PHOSFERINE

## PERPETUAL INJUNCTION

WITH

## DAMAGES AND COSTS,

obtained against the Vendor for using the word

## PHOSFERQUIN.

### In the High Court of Justice.

CHANCERY DIVISION.

*Before* Mr. JUSTICE COZENS-HARDY.

*Between* ASHTON & PARSONS, LIMITED, Proprietors of "Phosferine" (*Plaintiffs*),

AND

THE VENDOR OF PHOSFERQUIN (*Defendant*).

A PERPETUAL INJUNCTION with damages and costs was granted on the 14th December, 1900, restraining the above Defendant, his servants and agents from in any manner infringing the Plaintiffs' Registered Trade Mark 6,530, and from selling or offering or exposing or advertising for sale or procuring to be sold any medical preparation not prepared by the Plaintiffs, under the name of "Phosferine" or under any other name which by colourable imitation of the Plaintiffs' word "Phosferine" or otherwise was calculated to represent or lead to the belief that such preparation is "Phosferine" or is a preparation of the Plaintiffs and from selling or supplying any such preparation as aforesaid in response to orders for "Phosferine" or for a preparation of the Plaintiffs or from otherwise passing off or enabling or assisting others to pass off any such preparation as aforesaid as or for "Phosferine" or a preparation of the Plaintiffs.

All information relating to the infringement of dealers in infringements of "Phosferine" will be confidentially treated and should be addressed to the proprietors of "Phosferine."

## ASHTON & PARSONS, Ltd.

**La Belle Sauvage, Ludgate Hill, LONDON, E.C. 4.**

Or to Messrs. J. E. EVANS-JACKSON & CO., Patent Agents, Bristol House, Holborn Viaduct, E.C. 1.

*"Use the power that Nature gives us."*

**'Continuity of Process'**
ROWNSON DREW & CLYDESDALE LTD

# Links in the Chain of Continuity

THE OLD METHOD OF MOVING MATERIAL

ONE OF OUR METHODS OF MOVING MATERIAL

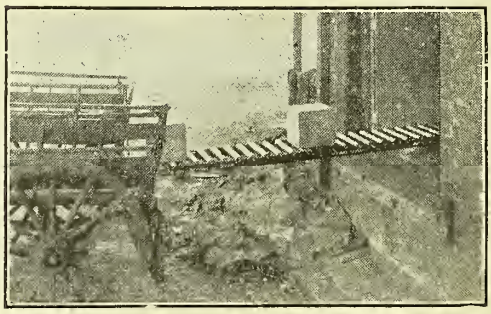
**No. 1.** *Gravity Runway.*
**No. 2.** *Sorting by Conveying.*
**No. 3.** *Stacking & Conveying.*

## *No. 4.—Loading Vans by Gravity Runway*

Loading vans by hand labour has been going on from time immemorial, so long that hardly anybody questions whether it is the best way or the only way. Even in the most modern factories the greatest facility achieved is to have a delivery platform van high, or to supplement man handling by a crane.

To-day these methods are a greater tax upon business management than ever. Your lusty carmen have gone and are replaced by weaklings and striplings who struggle with heavy goods and large cases as best they can. Their struggles in loading spell exhaustion, and almost at the outset of the day their energy for the day's work is gone.

What a waste of labour is made of this simple operation of moving a load of cases from the factory. One man at least to handle from the stack to the truck, another to wheel the truck to the hoist, another one to work the hoist, still another to guide it into the van, and then the van man or van boy begins to struggle with it.



*Loading Van by Gravity Runway.*

Load your vans by our portable Gravity Runway. One man puts the case on the Runway, and it is not touched again until it lands in the van; no matter what distance or what corners it has to negotiate it gets there, without labour and without power.

Our Gravity Runway is but one link in the Chain of "CONTINUITY OF PROCESS" that aids and saves labour. Ask us about the others.

**The Government is saving and aiding labour in moving material by using miles of our Gravity Runway.**

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, JUNE 1, 1918.

This Supplement is Inserted in every number of The Chemist and Druggist.

# CHEMISTS' TRANSFERS.

## Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

**Telephone Number: City 2283**

**May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.**

1.—WEST MIDDLESEX.—High-class Dispensing and Retail Business; returns upwards of £3,000; *net profit* £500; terms, valuation of stock and fixtures, and premium for goodwill to be arranged equitably.

2.—LONDON, S.W.—Good-class residential locality; Dispensing and Retail Business; held by vendor many years; returns over £1,300; net profit about £350; good residence; private entrance; price about £900.

3.—LONDON, N.W. (Main Thoroughfare).—Good-class Business; Retail and Dispensing; net profit exceeds £500; well-appointed shop, nicely fitted and fully stocked; valuation terms would be considered, or lump sum offer.

4.—KENSINGTON, W.—Dispensing and Retail Business; returns £800, formerly £1,000; well-fitted shop and comfortable residence; held on lease; first reasonable offer accepted; death cause of sale.

5.—PICCADILLY (Near).—Dispensing and Retail Business; returns £1,200; gross profit £650 to £700; books open to inspection; the shop is well fitted and stocked; vendor is relinquishing on account of health; valuation terms entertained; excellent opportunity for a pushing, energetic man.

6.—KENT (Within Easy Distance of Town).—Good middle-class Business; returns about £1,500; *net profit* £360; price, to include £90 book debts, £750; part payment.

7.—THAMES VALLEY.—Well-established Business, situate in pleasant locality; returns about £2,000; *net profit* £515; stock and fixtures valued at £650; price £850.

8.—YORKS.—Middle-class Retail; no side lines except a little Optical; N.H.I. could be added to advantage; returns last year between £950 and £1,000; net profit about £350; double-fronted shop; comfortable residence attached; rent £35; price £325, or near offer for quick sale; ill-health cause of transfer.

9.—NORTH OF ENGLAND.—Retail and Dispensing Business; returns show a steady increase, and are now about £850; good prices are obtained; small residence; rent £32; no immediate opposition; terms, valuation of stock and fixtures; about £250.

10.—SURREY.—Very old-established Business, situate in busy shopping thoroughfare, and producing a net income of about £700 per annum; further details on application.

11.—HERTS.—Well-established Business, situate in a pleasant country district; position good; returns average about £900, with net profit £250; rent £45; lease if desired; comfortable residence, garden; terms, valuation of stock and fixtures.

12.—EPPING FOREST (Near).—Good middle-class Business; chiefly ready-money; returns, present rate, exceed £800; profits above the average; comfortable residence, with large garden; rent £25; no near opposition; price £500, or near offer.

13.—HOME COUNTY.—Very old-established Business; position good; returns last year £949; *net profit* £240; roomy shop, fitted in mahogany; rent £42 10s., which includes comfortable residence and garden; terms, valuation of stock and fixtures.

14.—SURREY (Good-class Town).—Cash Retail and Dispensing Business; returns under Assistant, £14 to £17 weekly; price £160.

# VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**

# BUSINESSES FOR DISPOSAL.

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.**

LONDON, N.—Shop, d.f. Chemist's; completely and well fitted; established over 20 years; chance to pick up good business cheap; rent £60. Owner, 160 Stoke Newington Road, N.

MIDLANDS.—Light Retail Business for Sale in a thickly populated district; very well fitted and good saleable stock; takings under a Manager £800 and increasing; rent £40; for a quick sale a low price will be accepted. Apply 152/20, Office of this Paper.

YORKS (Leeds District).—Good-class Dispensing and Counter Business for Sale; old-established; takings upwards of £1,500. Full particulars and investigation given to cash purchaser. Price about £800. Apply 154/40, Office of this Paper.

YORKSHIRE.—Well-established, with good opening for Photographic, N.H.I., and Dentistry, double-fronted Shop; side and back entrance; large house, recently redecorated; Warehouse and garden; death cause of sale; rent £50; sacrifice for quick sale, £160; well stocked. Apply 154/13, Office of this Paper.

BUSINESS for Sale; country town; no opposition; £600 turnover; sacrifice £120, or nearest offer. Apply 152/31, Office of this Paper.

BUSINESS for Sale; Midlands; reason for disposal, age. Particulars, 154/36, Office of this Paper.

DISPOSAL, Lincolnshire, in large village, military, a Business; purely Drug, lock-up shop; rent low; no opposition within six miles; might suit lady or one returned from the war; a rare opportunity for suitable party. Particulars "B." (144/9), Office of this Paper.

DRUG Stores, London suburb; good Business in working-class district; increasing returns, and showing a good net profit; good reasons for disposal; nicely fitted and stocked. Apply for full particulars, 152/240, Office of this Paper.

DRUG Stores for Sale; South Birmingham; profitable and progressive trade; good prospects for qualified or unqualified person; good reason for selling goodwill, etc.; moderate stock at valuation. Write 153/26, Office of this Paper.

FOR Sale, high-class Chemist's Business; good saleable stock, newly fitted throughout; has done good business under personal management; good reasons for disposing; situated near Sloane Square Station. Apply 153/31, Office of this Paper.

# PARSON C. BAKER

**(Pharmaceutical Chemist),**

***Trade Valuer & Transfer Agent.***

Recommended by The British Drug Houses, Ltd.; Messrs. Meggeson & Co.; Barclay & Sons, Ltd.

*Valuer to the Association of Manufacturing Chemists.*

**74 High Street, WALLINGFORD, Berks.**

# BERDOE & FISH

## VALUERS & TRANSFER AGENTS,

***35 Jewry Street, Fenchurch Street, E.C.3.***

Telephone: 1809 Central.

**NO CHARGE TO PURCHASERS.**

1.—MIDLANDS.—Sound progressive General Retail Business, returning over £3,200, increasing; very best position; splendid premises; every modern convenience; owner retiring; price £2,000; references required.

2.—SOUTH COAST.—First-class Retail and Dispensing Business, in splendid position; same hands many years, retiring; returns approach £900; stands to do £1,500 easily; price simply valuation, or first reasonable offer; part can remain.

3.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; good house, bathroom, etc.; very best position; well stocked; price for prompt sale, simply valuation, under £400.

4.—HAMPSHIRE COAST.—Good-class Retail Dispensing and Photographic Business, in fashionable resort; returns approach £2,000; main road position; well-fitted Pharmacy, with residence attached; price £100 and valuation, in all about £900.

5.—LONDON, S.W.—Good-class Retail and Dispensing Business, in fine position, close to busy station; returns £1,000; no panel; clear net profit over £300; books properly kept; scope for increase, owner retiring; price for early sale, £500; part could remain; strongly recommended.

6.—LONDON (Western Suburb).—Light Cash Retail and Dispensing, with Photographic; busy main road; returns over £2,000, increasing; low rent; long lease; corner premises; well stocked; owner retiring; price £800.

7.—WEST MIDDLESEX.—Cash Retail and Prescribing, with small N.H.I.; returns average £24 a week; practically unopposed; low rent or lease; selling solely through ill-health; price £400; part can remain.

8.—LONDON SUBURB, S.E.—Cash Drug Stores, in good position; plenty of scope; returns £500; *net profit* £220; books properly kept; low rent; corner shop; good house; well stocked; price £250.

## STOCKTAKINGS.

We have the first two weeks of June still open, and can undertake one or two large stocktakings during that period. Appointments should be made early to avoid dates clashing. Terms sent on application; 45 years' practical experience.


## BUSINESSES FOR DISPOSAL (*continued*).

FOR disposal, the Chemist and Druggist Business carried on by the late Mr. John Turner at Stone Street, Cranbrook. For particulars apply John C. White, Cranbrook.

IMMEDIATE sale; owner joined up; Manager in City business; well-fitted good thoroughfare; exceptional chance; outgoings very light; would dispose at stock and fittings price; very little N.H.I.; closes Sundays and Saturday afternoons. Apply 150/40, Office of this Paper.

OLD-ESTABLISHED Family and Prescribing Business in Kent; owner retiring, ill-health; an absolute bargain for elderly qualified man; no N.H.I.; returns over £1,000; valuation and small goodwill; buyer could arrange to manage for a time before taking over. Harrie, Devon Wharf, Mile End, London, E. 1.

ONE or both of two small country Businesses (Lancs); both suitable as Chemists, or one as Drysalters; established 1874; on panel. Apply 155/19, Office of this Paper.

UNOPPOSED Business for Sale in growing district South Yorkshire; returns last year £1,200, increasing this year; scope for Optical and Dental work; large N.H.I. connection; no heavy trade; suit lady; pleasant Pharmacy, well stocked and fitted, with living accommodation; healthy country district. Apply 155/10, Office of this Paper.

£1,000 (OR NEAREST OFFER).—Smartly fitted up-to-date Chemist's Business; N.W. London; doing good business under personal management; nice premises; long lease; good reasons for disposal. Write 154/19, Office of this Paper.

## APPRENTICESHIPS.

WANTED to Apprentice, a youth in Family Retail and Dispensing business (with Agricultural), in good market town; passed Camb. Senior; indoors preferred. Apply 154/18, Office of this Paper.

## PUBLIC TENDER.

CONTRACTS.

The Guardians of the Poor of the Parish of St. Mary, Islington, invite Tenders for the supply of Drugs and Druggist's Sundries for three months from the 1st July (inclusive) to the several Institutions of the Guardians in the Parish.

Printed forms of Tender must be obtained from the Clerk personally, or a stamped addressed brief-size envelope may be sent.

Sealed Tenders must be delivered at the under-mentioned offices on or before Tuesday, the 11th June, 1918, and they will be opened at a Meeting of the Guardians on Thursday, the 13th June, 1918.

The Guardians do not bind themselves to accept the lowest or any Tender.

By Order,
EDWIN DAVEY, Clerk.

Guardians' Offices,
St. John's Road, Upper Holloway, N. 19,
28th May, 1918.

## AGENCIES.

COMMISSION Agents required in Midlands, Scotland, and Ireland for the sale of Pharmaceutical preparations and Drugs. Apply 88/8, Office of this Paper.

THE ANGLO-FRENCH DRUG CO., LTD., desire to inform the trade that they have opened a Branch in Paris with large Stock Rooms. They are therefore now in the position to offer their unique experience in introducing British goods and Specialties into France, and would be pleased to receive proposals as to sole Agencies. The Company would also act as buyers in France for British and Colonial firms on a small commission basis. Proposals, etc., which will be treated confidentially, to be sent to the Head Office, Gamage Buildings, Holborn, London, E.C. 1.

TRAVELLER, with good connection amongst Chemists and Druggists in London, South Coast, and Eastern Counties, desires a further commission or agency. Apply 89/30, Office of this Paper.

## FOR SALE.

FOR Sale, the entire fixtures (mahogany, in splendid condition) of a Chemist's shop; also 2 and 4-gallon Carboys, Shop Rounds, Jars, Utensils, etc.; either in one lot or separately. Apply Mrs. Abram, 53 Aire Street, Goole.

FOR Sale, the Grinding and Sifting Business carried on by late S. Hallett at 125 Bethune Road, London, N. 16; Gas Engine, Disintegrators, Sifter, etc., £200; can be viewed on application to T. L. Horn, 125 Bethune Road, N. 16.

MIXERS.—"Werner & Pfleiderer" heavy double-bladed Mixer, size of mixing pan 2′ 10″ × 2′ 4″ × 2′ 9″, capacity to a consistency of putty, about 6 to 8 cwt.; also "Werner" double-blade Mixer for power drive, size of pan 12″ × 13″ × 12″, capacity to a consistency of putty, about 70 lb.; strong double-blade Mixer, Hodgkinson type, blades working in opposite directions, size of mixing bowl 24″ × 24″ × 30″, capacity to a consistency of putty, about 4 cwt. (for power drive); one ditto, size of mixing bowl 18½″ × 17½″ × 24″, for power drive, capacity to a consistency of putty, about 2 cwt.; one ditto, size of mixing bowl 14″ × 14″ × 18″, for hand and power, capacity to a consistency of putty, about 1 cwt.; one ditto, size of mixing bowl 9″ × 9″ × 12″, for hand, capacity to a consistency of putty, about 50 lb.; one Dry Powder Mixer by "Hugo Jacobi," Leipsig, for hand, drum pattern, size of drum 3′ 2″ × 24″ diameter. Each machine guaranteed perfect and in first-class condition. The Silicate Fire Cement Co., 62 Pershore Road, Birmingham.

12,500 SACCHARINE Tablets, ½ gr. in 1 (330); 20s. 1,000; whole or part; cash on *pro forma*. Apply 152/32, Office of this Paper.

SACCHARIN Tablets, half-grain, 330 in 1; offers wanted for 60 pounds; average 7,000 to pound; cash or exchange for Eureka or other Tablet Machines. Walton, Chemist, Batley Carr.

## PROPRIETARY WANTED.

ADVERTISER desires to purchase a Proprietary with steady demand and scope for increase. Address, in strict confidence, 144/10, Office of this Paper.

# SITUATIONS OPEN.

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.**

## RETAIL.

BECKENHAM, KENT.—Assistant wanted; must be a capable Dispenser and accustomed to good-class Counter work. Apply, with full particulars of age, references and salary required, to Robert Wallace, M.P.S., 9 High Street, Beckenham.

BIRMINGHAM.—Lady Assistant required (immediately) for progressive business, near the centre of the city; must be a good Dispenser. State salary required and when at liberty, "B. S." (151/2), Office of this Paper.

BOURNEMOUTH.—Outdoors Assistant, lady or gentleman (if gentleman must be ineligible) for good-class Dispensing business; knowledge of Dispensing and Retail. Apply, with full particulars, references, and salary required, Lodder, Chemist, Boscombe Park, Bournemouth.

BOURNEMOUTH (outdoors).—Competent Assistant required as Dispenser (ineligible or above military age). Apply, with particulars of experience, salary, etc., to J. K. Matterson, Arcade Pharmacy, Bournemouth.

BRIGHTON (outdoors).—Assistant required (at once); Dispensing and Retail; easy hours. Apply with full particulars, and photo if possible, J. Colby & Co., 101 Western Road, Brighton.

CARLISLE (outdoors).—Capable Assistant wanted for good-class Retail and Dispensing business; no photo or N.H.I.; light work; short hours. Apply, with particulars, to Hunter, Pharmacist, Bank Street, Carlisle.

CHELTENHAM.—Lady Assistant; reliable Dispenser; in- or out-doors; business hours 8.30 a.m. to 7 p.m., evening duty 7-9 p.m. twice a week. Beetham & Clark, Cheltenham.

DEVON.—Wanted, reliable unqualified Assistant, capable of taking charge of Drug and Dispensing department; no Sunday duty; very convenient house provided; permanency. Stephens & Graham, Ltd., Plympton, near Plymouth.

EASTBOURNE.—Wanted (at once), lady or gentleman Junior Assistant (outdoors) for high-class Dispensing business. State salary, with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

FOREST HILL.—Unqualified Assistant for cash business; outdoors; no Sunday duty, close Wednesdays 1 o'clock; easy hours. Apply Messrs. Hoopers, Ltd., 12 Dartmouth Road, Forest Hill, S.E. 23.

GRAVESEND HOSPITAL, KENT.—A lady Dispenser is required to do "locum" from July 1st to 25th; 100 beds and out-patient department. Apply to Secretary at once

KIDSGROVE, STAFFS.—Assistant, experienced, qualified or unqualified, discharged man or low category, wanted; Light Retail; cash trade only. Send recent references, age, salary required, Griffiths, Chemist, Kidsgrove, Staffs.

LIVERPOOL.—Elderly qualified Assistant; comfortable post; state salary, etc., 154/23, Office of this Paper.

LLANDUDNO.—Lady Assistant (preferably qualified) wanted, with Retail and Dispensing experience. Send full particulars, with photograph, to Kate N. Horniblow, 4 Queen's Buildings, Llandudno.

LONDON HOMŒOPATHIC HOSPITAL, GREAT ORMOND STREET, AND QUEEN SQUARE, BLOOMSBURY, W.C. 1.
175 Beds (85 Naval and 90 Civilian).

Applications are invited for the post of JUNIOR DISPENSER at this Hospital, vacant September 1st. Hours 11 a.m. to 7 p.m. Candidates, preferably with previous Hospital experience, must possess a qualification of the Pharmaceutical Society.

Salary according to nature of qualification.

Applications, with copies of not more than three testimonials of recent date, should be sent to the Secretary.

EDWARD A. ATTWOOD,
Secretary.

May 1918.

LONDON.—Young lady Assistant required (immediately); experienced in Dispensing essential. State age, salary required, and when at liberty, "U. R." (151/202), Office of this Paper.

LONDON, W.—Experienced Assistant (Grade 3 or discharged soldier); outdoors; easy hours; comfortable berth; progressive salary. Apply Cofman's Pharmacy, 23 York Place, W.

LONDON, N.E.—Outdoor Assistant; capable of taking charge; qualification not a necessity. Write, stating age, experience, and salary required, "Grapho" (154/11), Office of this Paper.

LONDON, N.W.—Qualified Assistant wanted for Dispensing business; man or woman; furnished house; suit invalid discharged soldier, or lady with parent who would reside with her. P. Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W. 6.

LONDON, S.W.—Good opening for an unqualified Assistant; capable Dispenser and Counterman; permanency; excellent prospects. State age, whether married, and salary required, "K. R." (151/203), Office of this Paper.

LONDON, S.W.—Qualified elderly man, or one ineligible; easy hours can be arranged. Apply Owen, 260 Upper Tooting Road.

LONDON, W.—Smart Assistant wanted. Full particulars to Central Pharmacy, 11 Shaftesbury Avenue, W. 1.

LONDON, W. 2.—Assistant required as Dispenser; good Dispensing experience essential. Apply Mr. Evans, Pharmacist, Whiteley's, 39 Westbourne Grove, W. 2.

MANCHESTER.—A position will shortly become vacant for qualified Branch Manager which will suit elderly man, discharged, or even one who requires only a few hours daily. Please give all particulars, stating if full time desired and salary required, for immediate answer to 153/300, Office of this Paper.

MANCHESTER.—Qualified Assistant wanted (immediately) for about two months; must have first-class references and be used to quick cash business; good salary to right man. State full particulars to 152/34, Office of this Paper.

MANCHESTER.—Qualified Assistant required; must be ineligible or low grade. State age, experience, salary required, and when at liberty, to 152/340, Office of this Paper.

MANCHESTER.—Lady Pharmacist required, where other lady Assistant is kept; comfortable berth, with progressive salary; every inducement given. Apply, with full details, to 153/3, Office of this Paper.

METROPOLITAN BOROUGH OF HAMMERSMITH.

APPOINTMENT OF DISPENSER AND CLERK.

The Hammersmith Metropolitan Borough Council invite applications from properly qualified persons (male or female) for the appointment of DISPENSER and CLERK at the Hammersmith Tuberculosis Dispensary.

Salary £100 per annum, plus Treasury scale of War Bonus. Male candidates must be ineligible for military or naval service. The appointment will be determinable by one month's notice on either side.

Applications, in candidates' own handwriting, stating age, qualifications, and experience, accompanied by copies of three recent testimonials, and endorsed "Dispenser and Clerk," must be delivered to me not later than Saturday, the 8th June, 1918.

LESLIE GORDON, Town Clerk.

Town Hall, Hammersmith, W. 6,
28th May, 1918.

SHEFFIELD.—Unqualified lady (or man, discharged or exempted medical service) for Counter; outdoors; cash trade; Thursday half-holiday, no Sunday duty. Please give full particulars of experience, salary required, and enclose photo, H. G. Williams, 118 The Moor.

SOUTH KENSINGTON, S.W.—Unqualified Assistant (outdoors); salary £3 10s. per week, in a good-class Dispensing and Family Retail; no N.H.I.; hours 9 a.m. to 8 p.m., Saturdays 9 p.m., some Sunday duty on alternate Sundays. Newman H. Schollar, M.P.S., Tennant's Pharmacy, 29 Sussex Place, S.W. 7.

SOUTH OF ENGLAND.—**Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.**

WESTON-SUPER-MARE.—Qualified Manager, ineligible for Army, for Branch Dispensing business house; if required, free of rent, rates, and taxes; Dispenser kept; short hours; every consideration. Full particulars, Lewis Wing, Ltd., Chemists.

WOKING.—Wanted, capable Assistant for Dispensing; lady or gentleman; outdoors; good-class Dispensing business; hours 9 to 7. Apply, stating salary required, etc., to A. Lloyd Davies, Chemist, Woking.

WORCESTER.—**Qualified Assistant for Dispensing Counter (lady or gentleman); easy hours, no Sunday duty. Please state full particulars, salary (outdoors), to E. J. Kitson, City Drug Stores, Worcester.**

ARTHUR W. NUNN, Pharmaceutical Chemist, Crouch Street, Colchester, requires a capable Assistant; outdoors; reasonable hours; healthy town. Will applicants please send full particulars to 91/23, Office of this Paper.

ASSISTANT wanted; male or female; easy hours; light duties. Wright & Son, 102 High Street, Burton-on-Trent.

ASSISTANT; lady or male (ineligible); unqualified; principally for Counter work in high-class business; easy hours, 9 to 6.30, 8 p.m. Saturday, Wednesday half-holiday. Apply, stating age, salary required, etc., to Middleton, Chemist, Middlesbrough.

ASSISTANT, lady or gentleman, qualified, to dispense N.H.I. and assist in Chemist's business for temporary work. Apply, stating references, salary, etc., Barron, Chemist, 77 High Street, Croydon.

BACTERIOLOGICAL Assistant wanted; an elementary knowledge of practical methods will suffice; to work under supervision; the post offers an exceptional opportunity of becoming proficient in Bacteriological Research, Urine Analysis, etc.; preference given to one having a Pharmaceutical training. Apply E. Quant, South Devon Laboratory, Torquay.

CHEMIST and Dentist, doing all Mechanical work on premises, has vacancy for Assistant. Please state full particulars, age, experience, ability in Pharmacy and Dentistry, if any, salary required, when disengaged, references, photo, Foster, "Ivydale," London Road, Portsmouth.

CHEMIST; unqualified; rejected or discharged from the Army; must have good references. Apply Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

COMPETENT, reliable, ineligible Manager for Drug Stores (suburb), to take complete charge. Please give full particulars as to experience and salary required, 152/24, Office of this Paper.

COUNTERMAN wanted; good experience Store trade (ineligible). Drug Department, Civil Service Stores, 28 Haymarket, S.W.

COUNTRY; 30 miles from London, near station; lady or gentleman (ineligible); outdoors; no night nor Sunday duty; best references; age height, and salary required, "C. S." (144/3), Office of this Paper.

DISPENSER.—Wanted, a fully-qualified Shopman to take charge of Dispensing department at a West-End establishment; excellent prospects and improving position for a really good man. Apply "A. B. C." (151/401), Office of this Paper.

DISPENSER and Bookkeeper (male or female)—to Doctor; small town in Gloucestershire; previous experience preferred and for permanency; state qualifications; hours 9-11 a.m., 2 p.m. and 6-7.30 p.m., Sundays 10-11 a.m. and 2 p.m.; salary 30s. a week and 5s. war bonus. Apply, letter, H. Jenkins, Sandfield Lawn, Churchdown, Glos.

GOOD reliable Dispenser wanted (at once); knowledge of Counter work an advantage; good progressive salary to right person. Apply, giving references, to "M." (154/12), Office of this Paper.

HOSPITAL FOR CONSUMPTION, BROMPTON, S.W. 3.—Wanted (at once), Dispensary Assistant; Minor qualification essential; lunch provided. Applications, stating age, experience (Hospital or otherwise), and salary required, accompanied by two recent testimonials, to be addressed to the Secretary.

JUNIOR wanted; good Dispenser; ineligible or discharged soldier. State salary and experience to C. J. Allan, Chemist, Redcar, Yorks.

JUNIOR Assistant wanted (lady or discharged soldier) for seaside business; Dispensing, with knowledge of Photography preferable. State age, height, references, salary required, to Holman, Ham & Co., Ltd., Market Street, Exeter.

JUNIOR or Improver required (outdoors) for good-class Retail and Dispensing business; lady or gentleman; time allowed for study. S. W. Dawson, 56 Knight's Hill, West Norwood, S.E. 27.

JUNIOR Assistant wanted, lady or gentleman (if gentleman, must be ineligible), for Counter, Stock, and Dispensing; two other Assistants on staff; easy hours, no Sunday duty. Apply, stating full particulars, references, and salary required (outdoors), E. Bunn, Chemist, The Central Pharmacy, Chelmsford.

LADY as Improver; excellent opportunity for gaining all-round experience; outdoors. Full particulars and references to G. Peck & Son, Pharmaceutical Chemists, Cambridge.

LADY Assistant wanted, Hall qualification, quick and reliable Dispenser, to help in Manufacturing Galenicals and at the Counter; outdoors. State experience and salary required to Savage & Co., Pharmaceutical Chemists, Brighton.

LADY Assistant wanted; Hall qualification, or experienced in Dispensing; three employed; hours 9 to 7, Saturdays 8 o'clock, Thursdays 1 o'clock, no Sunday duty; outdoors. Shields & Warren, St. Albans.

LADY Dispenser required (at once); cash practice; live out; 30s. weekly; 11 till 1, 7 to 9. Dr. Hanbury, 157 Roman Road, Bow, E.

LADY Assistant for Dispensing and Counter; short hours. State age, experience, and salary required (outdoors), "B. T." (151/24), Office of this Paper.

LADY Pharmacist required, chiefly for Dispensing; short hours, Saturday half-day. Apply Mr. Longstaff, John Barnes & Co., Ltd., 191/217 Finchley Road, N.W.

LADY Assistant; Minor; also one unqualified; Counter and Dispensing; good-class business; South Coast town (not Southsea). Apply, with particulars and references, to "Aspirin," 92 Palmerston Road, Southsea.

LADY Dispenser required, with Counter experience, for London district; good salaries. Apply Parke's Drug Stores, 65 Harmood Street, N.W.

LOCUM wanted (immediately) for Birmingham suburb, during illness of proprietor; probably two or three weeks. Apply, with full particulars, 90/26, Office of this Paper.

LOCUM wanted (at once). Particulars to S. G. Bartlett, Pharmacist, Jewry Street, Winchester.

LOCUM required, qualified (at once); North London. State salary, 153/250, Office of this Paper.

LOCUM; £5 a week; fortnight commencing June 16th. Terms and references to "Salicin" (154/7), Office of this Paper.

MANAGER.—Wanted, a fully-qualified Assistant, accustomed to managing staff, to take charge of large West-End business in absence of Manager; splendid prospects and permanent position for a really good man. Apply "X. Y. Z." (151/400), Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

MESSRS. TUPHOLME & SON require an active Assistant; accustomed to high-class Dispensing. Apply, with full particulars, to 1 Colcherne Terrace, Earl's Court, S.W. 5.

QUALIFIED Assistant wanted; Sheffield. Apply 89/20, Office of this Paper.

QUALIFIED Manager, over military age or rejected, required for first-class business in the provinces; splendid opportunity for a capable and energetic man. "H. L." (151/201), Office of this Paper.

QUALIFIED or unqualified Assistant wanted (either sex). Reply, with full particulars, Wade, Chemist, Stepney Street, Llanelly, S. Wales.

QUALIFIED Manager wanted for Branch; ineligible, or fully qualified lady. Apply, with full particulars, age, experience, salary required, etc., photo if possible, to W. T. Hicks & Co., 28 Duke Street, Cardiff.

QUALIFIED young man, single and rejected or discharged, required immediately; permanency, with good prospects of advancement. Please state age, salary required, and when at liberty, "H. L." (151/200), Office of this Paper.

QUALIFIED Manager required to take sole charge of high-class Shop, North London; good opening for energetic man; live in if required. Apply 153/25, Office of this Paper.

QUALIFIED Manager (immediately); N.H.I.; easy berth; £3 10s. weekly; North London district. Apply "X." (153/15), Office of this Paper.

QUALIFIED Manager for London West business required; permanency. Apply 153/27, Office of this Paper.

QUALIFIED Assistant wanted for Dispensing; also part-time Assistant. Please give full particulars to Frank A. Rogers, 327 Oxford Street, W. 1.

REQUIRED, lady or gentleman for summer holidays; comfortable post; country. Please state experience, age, and salary (indoors), D. Lewis, M.P.S., Tisbury, Salisbury.

SURGICAL INSTRUMENT BUSINESS.—Assistant for Shop Counter; state age, other duties accustomed to, and wages expected. Reply "Surgical," Lee & Nightingale, Liverpool.

THE Ebbw Vale Workmen's Medical Society require the services of two Dispensers holding the "Hall" or N.H.I. qualification. Applications, stating age, experience, and salary required, to be sent to the Secretary, Central Dispensary, Ebbw Vale.

URGENT.—Responsible and experienced Assistant (male or female) wanted to take charge at once, owing to illness of principal; temporary or permanent. Communicate promptly with Harrison, Pharmacist, Grayshott.

WANTED, lady Dispenser; one accustomed to the details of a Chemist's business preferred. Apply by letter, enclosing photo, to H. T. Escritt, 8 Acre Lane, Brixton.

WANTED, a capable Assistant, unqualified (lady or gentleman), for good middle-class City business; one with Optical knowledge preferred, but not essential. State all particulars in first letter, Milburn, Chemist, 95/7 Northumberland Street, Newcastle-on-Tyne.

WANTED, permanent qualified Assistant in a City Pharmacy; good references; state salary. Apply 151/26, Office of this Paper.

WANTED, Assistant; outdoors. Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

WANTED, thoroughly experienced and competent Assistant for good-class Retail country business; must be keen Buyer and Salesman, courteous, and trustworthy. Applications, giving full particulars as to age, qualifications, experience, and wages required, with copies of two recent testimonials, to C. Bayley, Pharmacist, Uppingham, Rutland.

WANTED, qualified Locum as soon as possible, lady preferred, for fortnight or month, to manage small Retail and Dispensing business; good working-class neighbourhood. State salary expected and references, also when available, Johnson, Chemist, 218 York Road, Leeds.

WANTED (immediately), qualified Manager; S.W. London; Light-Retail and Dispensing; good salary to reliable man. Apply 155/4, Office of this Paper.

WANTED (immediately), qualified Assistant; able to take charge; easy business, and every comfort for good man (or suitable for qualified lady). Apply 154/190, Office of this Paper.

WANTED, elderly qualified gentleman; light duties; easy hours. Apply 91/39, Office of this Paper.

YOUNG lady Dispenser, with Counter experience, required for Highgate district; must have Apothecaries' Hall qualification. Apply personally, or by letter, to Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

£5 WEEKLY.—Qualified Assistant for quick cash business; short hours, no Sunday duty; preference given to discharged soldier, or would consider man over military age; good references required. Tranmer, High Street, Smethwick.

## WHOLESALE.

ANALYTICAL Chemist, lady or gentleman, experienced in Analysis of Foods, etc., required as Assistant in important London Laboratory. Apply by letter, stating age, qualifications, experience, and salary required, to "Foodanal," c/o Deacon's Advertising Offices, Leadenhall Street, E.C. 3.

CHEMIST (good Analytical) wanted for Explosives Factory in West of England. Write, stating age, experience, and salary required, to B. L., c/o J. W. Vickers & Co., Ltd., 5 Nicholas Lane, E.C. 4.

CHIEF Bookkeeper for offices of Wholesale Druggists, located northern county (Assistants now mainly female); must be thoroughly experienced; no application considered without copy of references and salary expected. Apply 154/161, Office of this Paper.

DRUGGIST SUNDRIES.—Smart, energetic man for Correspondence and Sales department; one having Wholesale and Shipping experience preferred. Apply, with full particulars, references, in confidence, 89/50, Office of this Paper.

HOUGH, HOSEASON & CO., LTD., 2 Bridge Street, Manchester, invite applications from persons with good experience of the Drug trade, for the Offices and Wholesale Counters; also hands in various departments of their works. Apply, with full particulars, references, wage, or salary required, to the Managing Director.

INVOICE Clerk (male or female) wanted at once; must have had experience in the Wholesale; state wages and experience. Apply 153/290, Office of this Paper.

LABORATORY Assistant, ineligible for military service, to take charge of steam plant and control staff; must have had manufacturing experience in the preparation of Galenicals and Proprietaries. Applicants should send full particulars of experience, stating age and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

PROVINCIAL Manufacturing Chemists (protected) wish to meet with gentleman, preferably over military age, with sound knowledge of Drug trade; able to control clerical, and if need be general staff. References and salary to 154/160, Office of this Paper.

REPRESENTATIVES wanted, calling on Chemists all over the Midlands, and also for London north of the river; desirable lines for female Travellers. Write, with full particulars of experience and commission required, to 81/11, Office of this Paper.

WANTED, a Manager for Instrument Department; good knowledge of fitting, etc.; must either be over military age or ineligible. Apply to R. Sumner & Co., Ltd., Wholesale Druggists, Liverpool.

WANTED (at once) by London Wholesale firm, Drug Checker (male or female); also Wet Counter hand; permanent positions. Apply 153/29, Office of this Paper.

WANTED for Manufactory of large London house, man experienced in the making of Toilet Requisites and Tooth Pastes; over military age or ineligible. State experience and wages required to 153/23, Office of this Paper.

WHOLESALE Druggists (Lancashire) require experienced hands for Grinding, Tablet, Tincture departments, Glass Packers, also Assistants for Drug Counters; references and wages required essential. Apply 154/16, Office of this Paper.

WAREHOUSEMAN required by London Wholesale Druggists; knowledge of trade essential. Apply, with full particulars, to 87/37, Office of this Paper.

WAREHOUSEMAN.—Wanted, a good man to take charge of basement (inwards and outwards department) of large Retail firm in West-End; excellent prospects and permanent position to a really good man. Apply 151/4, Office of this Paper.

# SITUATIONS WANTED.

**1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.**

## [HOME.]

## RETAIL.

ADVERTISER wishes to place highly intelligent, well-educated girl of good appearance, aged 16, with a well-established high-class Chemist as an Apprentice-Assistant, with a view to being trained as a Dispenser and eventually sitting for the Pharmaceutical examination. State full particulars with a view to interview, Box 603, T. B. Browne's Advertising Offices, 163 Queen Victoria Street, London, E.C. 4.

ADVERTISER desires engagement; Locum or otherwise; reliable Branch Manager; unqualified; good references. Apply 154/39, Office of this Paper.

ADVERTISER (young) seeks position in London; practical experience; capable Manager; ineligible. Apply 154/37, Office of this Paper.

AS Assistant or Manager; capable, experienced, and trustworthy; over military age, married, unregistered, excellent references. Salary and hours to 153/9, Office of this Paper.

AS Locum or permanency; excellent references; all-round experience. Apply 154/27, Office of this Paper.

ASSISTANT or Branch Manager; unqualified; 53; all-round experience; easy hours; good Prescriber; North Staffs preferred. Apply 152/19, Office of this Paper.

ASSISTANT; 24; Grade III.; 9 years' good-class experience; Dispensing, Counter, and Photography. State full particulars, salary offered, hours, etc., 152/36, Office of this Paper.

ASSISTANT (23) requires post with Chemist; indoors preferred. Apply 151/90, Office of this Paper.

BLACKPOOL, SOUTHPORT, OR BUXTON.—Qualified Dispenser (Hall), 21, permanently discharged, desires change; highest testimonials; Counter Dispensing. Dispenser, 162 Elizabeth Street, Hightown, Manchester.

DISCHARGED; 27; unqualified; tall, good appearance; active; first-class experience; now disengaged. Please state salary, 154/22, Office of this Paper.

DISENGAGED immediately; qualified Chemist desires situation; Dispenser, Assistant, or Manager; temporary or permanent; London or country near; over military age. Smith, 65 Preston Road, Brighton.

DISPENSER (lady), Hall qualification, 4½ years' experience, desires post in London; hours 9-6. State salary, Donaldson, St. Aldate House, Gloucester.

DISPENSER, Doctor's preferred, wants berth immediately; ineligible; experienced; little Retail; unqualified; well up in Dispensing. "B.," 31 Lathom Road, East Ham, E. 6.

DISPENSER (woman) desires post within daily reach N.W. 4 district; not Chemist; Hall certificate; experience. W. M. F., 16 Corringway, Golders Green, N.W. 4.

HOLIDAY work wanted with Doctor; Hall; experienced; good references; two guineas weekly and fare; from June 10th. 14 Saint Mary's Terrace, Penzance.

HOSPITAL Dispenser; locum; qualified; disengaged June 17th. Irving, 66 Rowfant Road, Balham.

LADY Dispenser, Hall certificate, requires post with Doctor; South of England preferred. Apply 152/40, Office of this Paper.

LADY Dispenser, Hall qualification, seeks post; North London preferred. Apply "Alpha" (154/34), Office of this Paper.

LOCUM, thoroughly reliable and trustworthy, excellent reference, offers his services from June 17th for one week; terms moderate. "Statem," 512 Kingston Road, Raynes Park, S.W. 19.

LOCUM; competent all branches; 41½ years; married; unregistered; highest references; N.H.I. qualification: conditional exemption; Grade 3; few vacant dates July, August. "Statim," 135 Queen Street, Newton Heath, Manchester.

LOCUM, registered, open for few engagements; disengaged June 17th; over military age; active. "Chemist," 16 Victoria Avenue, Glover's Road, Small Heath, Birmingham.

**Out-of-date Cameras bought.**

*Chemists often take in exchange an old Camera as part payment for a new one, or have same left on their shelves. We buy these on Cash Terms. Try us.*

**WATSONS, 84 High St., SHEFFIELD.**

LOCUM; 53; active; capable; good-class only; highly recommended; long or short period. "Locum," c/o Keeble, Chemist, Liss, Hants.

LOCUM; qualified; active; experienced; disengaged; fortnight only. "P.," 54 Richmond Road, Abergavenny.

LOCUM, qualified, ineligible, has June 10th to 24th vacant. Richards, 119 Connaught Road, Cardiff.

LOCUM; qualified; elderly; Lancashire district preferred; disengaged May 31st. Address 154/1, Office of this Paper.

LOCUM, qualified Manager, London preferred, for four or five weeks; good references. Apply 156/4, Office of this Paper.

MANAGER, qualified, London or suburbs; in good-class business; excellent credentials. Apply 151/14, Office of this Paper.

MANAGER of good-class business desires re-engagement end of June. Full particulars, please, 150/39, Office of this Paper.

MANAGER, qualified, 34, Grade 3, with view to buying good-class business. Apply 153/33, Office of this Paper.

MR. S. WILSON, 13 Sackville Street, Everton, Liverpool, is open to an engagement as Assistant or Manager; qualified; well over military age. Apply 89/33, Office of this Paper.

PHARMACEUTICAL Chemist, 25, discharged, requires part-time situation on East or South Coast during summer. Apply 151/7, Office of this Paper.

QUALIFIED; first-class experience; over military age; permanency or "locum." "P.C." (153/20), Office of this Paper.

QUALIFIED; disengaged evenings and Saturdays; quick; experienced. Particulars to 153/16, Office of this Paper.

STUDENT, studying for Minor, desires post in Hospital or with Chemist four half-days a week. Miss Lacon, Nutford House, Nutford Place, London, W. 1.

TEMPORARY engagement, Dispenser or Locum, by qualified Pharmacist; over 25 years' sound experience; now disengaged. Write "Western" (154/30), Office of this Paper.

UNQUALIFIED; aged 39; single; Grade III.; Assistant or Manager; good experience; excellent references; Freemason. Salary, etc., 151/12, Office of this Paper.

UNQUALIFIED, reliable Abstainer; all-round experience; Cumberland or North Lancashire. Apply 152/15, Office of this Paper.

UNQUALIFIED Manager or Senior Assistant; discharged Army; London and country experience; married. Apply, stating salary, etc., "G.," 31 Duke Street, Littlehampton, Sussex.

## WHOLESALE.

DOCTOR, with knowledge of Drug trade, resident in Ireland, retiring from practice, would undertake representation in Ireland. Apply 151/13, Office of this Paper.

QUALIFIED Chemist, 10 years' successful outdoor Salesmanship, would represent good Drug house; interview desired. "S.," 122 Addison Way, Hampstead, N.W. 4.

REPRESENTATIVE, well educated, possessing initiative and tact, and all-round knowledge of the Drug and Allied trades (Wholesale and Retail), desires berth with live firm; good connection in S.W. of England and S. Wales. Apply 155/13, Office of this Paper.

SMART Salesman desires to represent good Wholesale house who needs energetic and conscientious worker; fifteen years' exceptional experience Drug and Allied trades; age 31; ineligible military service; splendid references. Address "Keep in Touch" (155/18), Office of this Paper.

TRAVELLER or Office, etc.; whole or part time; London or country; ineligible; well up in all branches; good connection; best of references; moderate salary. Address "Drugs" (154/3), Office of this Paper.

YOUNG gentleman requires post with Wholesale house of Chemists as Traveller. Apply 151/9, Office of this Paper.

# SITUATIONS WANTED.

## (Colonial, Indian and Foreign.)

**1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.**

***This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.***

CAIRO.—Young English lady desires post with Pharmacist in Cairo about September; Apothecaries' Hall qualification; five years' Dispensing and Counter experience; excellent references. Apply, stating full particulars, 143/4, Office of this Paper.

# MISCELLANEOUS.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—500 Anglo-Continental Guano, 5s.; 44 Brunner Mond Ordinary, 39s. 3d.; 200 Mellin's Food 6% Prefs., 13s. 10½d.; 50 Lever Brothers 6½% Prefs., 20s. 10½d.; 100 Ilford Ordinary, 15s. 10½d.; 150 Salt Union Prefs., 22s. 6d.; 200 Schweppe's 7% Preferred Ordinary, 15s. 10½d. e.d.; 300 R. White & Sons' Preferred Ordinary, 5s. 1½d.

WANTED (subject).—Allenbury Prefs.; W. J. Bush Prefs.; 250 Evans Lescher Prefs., 16s. 3d.; Idris A Prefs. and Debentures; Southall Brothers & Barclay Ordinary; Stevenson & Howell Prefs.; 500 Sapon Ordinary, 4s. 6d.; 200 Wright Layman Prefs., 19s.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

FOR Sale, 16 doz. strong Tin Boxes, 4½ × 3¼ × 1⅛, complete with lids; 1 gross Red Embossed Boxes, 4½ × 3¼ × 1⅛ (lids depth of box); 5 gross Red Embossed Boxes, 3½ × 2 × 1⅛ (lids depth of box); 10 gross Leather-board Boxes, 3¾ × 1¼ × ½ in. (lids depth of box); all the boxes are new and well made; offers invited for all or part. 75 Gathorne Street, Leeds.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, KUDDUCK & CO., 262 Old Street, London, E.C.

BAYER'S PREPARATIONS FOR SALE.—10 × 1 oz. Sabromin; 3,000 Elarson Tablets; 4,000 Helmitol Tablets; 3,000 Hydrastinine HCl Tablets; 2,000 Iodothyrin Tablets; 6,000 Novaspirin Tablets; 1,000 Veronal Tablets, 7½ grs.; 1,000 Sodium Veronal Tablets; 2 lb. 12 oz. Bayer's Piperazin Crystals; also 4 lb. 5 oz. Crude Saponin; 6,000 Gehe Tonic Pills (Quinine, Damiana, and Iron) in bottles of 25; 12 bottles Wolff's Clymene Hair Wash (10 oz. size); 39 bottles Wolff's Diamela Hair Wash (10 oz. size); 33 bottles Wolff's Devine Hair Wash (10 oz. size); also 280 50-gr. Syphons Dolinda Perfume; 290 100-gramme Syphons Dolinda Perfume. P. Arthur, 8 Montague Road, W., Ealing, W. 8.

SALE 150 cases, containing 3 dozen 2 lb. lever top Carbide Tins, in good condition; accept best offers. Thomas Horton, Merthyr Tydvil.

# WAR WANTS EXCHANGE.

*For the terms upon which announcements are inserted herein see Supplement for December 8, p. xliii.*

## WANTED.

"K. Y." jelly (154/6)
Packer's Charm (154/6)
Chinosol tablets or powder (154/6)

# EXCHANGE COLUMN

**One halfpenny per word with name and address. One penny per word if we register the address and attach a number.**
**No advertisement inserted for less than 6d.**

## FOR DISPOSAL.

### DRUGS AND CHEMICALS.

WHAT offers? 20 lb. Corrosive Sublimate. Slomau, Chemist, Exeter.

14 LB. Salicylate of Soda, B.P., physiologically pure, 7s. 6d. lb., sample on request; also 7 lb. Ferri et Ammon. Cit., 3s. 9d. lb.; 7 lb. Bismuth Carb., 15s. 9d. lb. Apply 150/38, Office of this Paper.

2 OZ. Guaiacol Carb., 15s.; 4 oz. Resorcin, 13s. 6d.; 2 lb. Pot. Bromid., 21s.; 3 lb. Sodii Salicyl., 24s.; 8 oz. Phenazon, 29s.; 8 oz. Phenacetin, 17s.; 2 lb. Bismuth Carb., 32s.; 1,000 Tab. Calomel gr. v., Parke, Davis & Co., 15s.; ditto Quinine Sulph. gr. v., 65s.; ditto Cascara Sagrada gr. v., chocolate coated, 18s.; 1 lb. P.D.'s Ext. Ipecac. Liq., 29s.; 1 oz. Heroin Hydrochlor., 40s.; 4 oz. Citro Phenol, 10s.; 3 × 100 Tabloid Sulphonal gr. v., 19s.; 3 oz. Quinin. Hydrobrom., 14s.; post paid. Forryan, 40 Duncan Road, Leicester.

### MISCELLANEOUS.

OFFER Wanted for 30 large Friedrichshal Water; perfect condition. Furness, Ansdell, Lytham.

TWENTY "Ideal" Trench Belts; sell 1s. 6d.; 9s. dozen; carriage paid. Apply 149/37, Office of this Paper.

AIR BED, only used once; full size; two valves; price 60s. H. Bibby, The Pharmacy, 17 Ladybarn Lane, Withington, Manchester.

ABOUT one gross oblong slide genuine Pessary Boxes, to hold one dozen each. What offers? Kernick, 16 Moira Terrace, Cardiff.

SILENT Salesman; 4 glass shelves, mirror back, bent sides, height 4 ft. 6 in., width 3 ft. 3 in., depth 1 ft. Beck, 60 High Street, Stoke Newington, N. 16.

FOR disposal, Pill Machine, 24 × gr. v., marble slab, and 2 × 6 gall. Carboys, cut-glass stoppers and stands; good condition; no fair offer refused. Walker, 13 Mount View, Barnet.

RETIRED Chemist offers, cheap, few Labels, Cough Linctus Wrappers, Pill Cards, Board Boxes holding dozen 2-oz. bottles, Ointment Tins. Samples, 11 Primrose Mansions, S.W. 11.

THREE gross one-pound Round Tins, perforated tops, printed for disinfectant powder; new, beautifully finished; will be sold cheap; offers invited. H. Bibby, The Pharmacy, 17 Ladybarn Lane, Withington, Manchester.

## WANTED.

ACID Formic, Potassii Chromas. Belsher, Chemist, Bloxwich.

LUPULI preparations, Ext., Liquors, Tinct., and Oil. Also fresh Lupulin; any quantity. Apply 154/28, Office of this Paper.

1 CWT. Formaldehyde, 40 per cent. Offers to W. Finlayson, Chemist, Stockton-on-Tees.

NYAL'S Figsen. Price and quantity to Widgery, Weston-super-Mare.

MAG. Carb. Pond., B.P., wanted. State quantity offered and price, W. B. Cartwright, Ltd., Rawdon, near Leeds.

TABLET Machine wanted for ½ inch tablets if possible; "Eureka"; state price. Apply 78/46, Office of this Paper.

TINS to hold anything between 6 and 16 oz.; flat shape preferred. Floyd, 75 Cambridge Street, Glasgow.

JOHNSON'S Baby Powder. Sharman, Northwood.

550 SACCHARINE wanted; any quantity from one to thirty pounds. Tranmer, High Street, Smethwick.

HUNYADI Water, either size in cases, Pil. Digital., Nativelle, 1/240 Calox. Doran, Chemist, Bray, Ireland.

RUBINAT Water in any quantity. State price, condition, and quantity, Westmacott, Chemist, Manchester.

VACUUM Flasks; half-pint, one pint, and quart sizes. State full particulars and prices, 149/36, Office of this Paper.

"FUO" and "Listerine"; any quantity or sizes. S. F. Goss, Ltd., Chemists, 134 Kensington High Street, W. 8.

MIGRAININE-OVERLACH. State quantity and price to W. H. J., Allen & Hanburys, Ltd., 37 Lombard Street, E.C. 3.

SODA Fountain required immediately; any size. Give full particulars, price, and size, "X." (89/70), Office of this Paper.

BIG prices paid for Stokes' or Colton Tablet Machines; Pill Machinery also wanted. Particulars to 78/58, Office of this Paper.

ARSENIC impure, wanted; large or small lots. Quote price, Butcher, Curnow & Co., Ltd., Blackheath.

**WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.**

ACID Phosphate or Cream Powders for making Self-raising Flour. Price and particulars, Pioneer Trading Co., 20 Tredegar Street, Cardiff.

QUANTITIES of White Curd Soap, powder or bar; Shaving Sticks and Tablets. Send sample, quantity, and price to Claughton's, 5 Quebec Street, Leeds.

TABLET Machine for one-grain tablets; good price given for good machine. State price and make, Rackham & Co., Maidstone.

ROLL Films wanted: Kodak numbers 120, 127, 116, 118; full retail price given if recent date, and carriage paid. Scott, Chemist, Ilfracombe.

**OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.**

JOB line Tins wanted, suitable for Boot Polish, etc. We are also buyers of Tin Plates, printed or plain. Also Cartons for same. "Brytenup" Polish Works, Marsh Lane, Preston.

SPECTACLE Lenses, Gold-filled Spectacle and Eyeglass Frames, in any quantity. Particulars and prices to Bishop & Vincent, 460 Holloway Road, N. 7.

CAMERAS, new or second-hand; Roll Films; Plates; Developing Tanks, and all kinds of Photographic Sundries. Particulars and prices to Bishop & Vincent, 460 Holloway Road, N. 7.

SPECTACLE Lenses, Glazed Spectacles, any kind; Gold-filled Spectacle and Eye-glass Frames, Artificial Eyes and Barometers. State quantity, condition, price, etc., Hebditch, "Parkholme," Christchurch Road, Doncaster.

CARLSBAD Salts (Crystal), Colgate's Tooth Paste, Swandown Powder (assorted), Crême Simon, Pond's Cream, Sen-Sen. Quantities, condition, and price to Southon, 8 Leadenhall Street, London.

TURPENTINE, Vaseline or Paraffin Molle, Linseed and Colza Oils; surplus stock of Trusses, Bandages, useful Patent Medicines, Stock Labels, Bottles and Tins; also Novelties for Window Display; cash or exchange. Williams, 14 Penn Road, Wolverhampton.


**NATIONAL ANILINE & CHEMICAL**
COMPANY, INCORPORATED,
**244 MADISON AVENUE, NEW YORK.**
Cable Address—"JUBILANT, NEW YORK."
London Agents: SAMUEL LAMBERT & CO., 14 Mincing Lane, E.C.

**T. SHERBORNE & CO.** Surgical Appliance Manufacturers.
Manufacturers of the "Stowaway" Suspensory Bandages, Cotton or Silk, and over 100 other patterns. (*Wholesale only.*)
Phone No. SYDENHAM 517. **Honor Oak Park, S.E. 23.**

**ALL CHEMISTS SHOULD STOCK ABDINE**
*THE GOLD MEDAL FRUIT DRINK.*
Quick Seller. Big Profits. Over 40 Years' Reputation.
"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 1½d. each; Boxes of 13 Packets, 1/6.
*Wholesale Prices on application. Sample Box 1/6.*
D. M'GLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.

**Developing Printing Enlarging**
PRICES FREE. PROMPTNESS.
Wanted—all kinds of Folding Cameras, plate or film. Cash on receipt.
**MARTIN, Chemist, SOUTHAMPTON.**

**8/6** VERY FEW. **Jay Mack's Ledger** **10/6** 4 Years 5 Columns
gives Yearly Sales, Purchases, Exes., with only 10 mins. work weekly; Easy Stocktaking explained; Form Pages show Balance Sheets and Income Tax Deductions; no previous Book-keeping experience needed.
On appro. on receipt of cheque. 1/- Post Booking Fee, deducted if returned.
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**PERFUMERS! SHORTAGE OF LABOUR**
Advertisers are prepared to undertake the blending of Shampoo, Tooth, and other Toilet Powders, in large or small quantities at lowest possible rates. Good workmanship and prompt delivery. Ingredients supplied if desired at lowest market prices. Write, stating requirements—
**MARTIN & CO.,** 71 City Road, Finsbury, **London, E.C. 1**

**How to Save Money in SURGICAL DRESSINGS**
Compare these prices before ordering. *WE* can save you about 30%
**WHITE ABSORBENT COTTON WOOL** (interleaved) in 1 lb. rolls, at **2/2** per lb.
**WHITE LINT,** in 1 lb. rolls, at **3/9** per lb.
**BORACIC LINT,** in 1 lb. rolls, at **2/8** per lb.
Packed in 1 cwt. Bales. Bales charged extra, 3/6 each.
Also packed in 56 lb. bales of each at 2/2½, 3/9½, 2/8½ respectively.
" " 28 lb. " " 2/3, 3/10, 2/9 "
Carriage paid on 56 lb. Bales 2/6 & 1/6 each. Cheque with Order.
*Bales must be paid for, and allowed for when returned.*
**THE PRIMO DRUG CO., 5 Bury New Road, Manchester.**

# P.A.T.A. NOTICE.

The prices announced below will come in force as from the date of this issue :—

| Size or Advertised Price. | | Minimum Retail Price. | Minimum Wholesale Price. |
|---|---|---|---|
| 3/- | **Bovinine** ... ... ... ... | 3/- | 28/6 |
| 5/- | " ... ... ... ... | 5/- | 48/- |
| 2/6 bot. | **Erasmic Eau de Cologne** 2 oz. | 2/6 | 21/- |
| 4/6 " | " " " 4 oz. | 4/6 | 38/- |
| 7/6 " | " " " 6 oz. | 7/6 | 63/- |
| 2/- " | " Perfume No. 116 ... | 2/- | 19/- |
| 2/9 " | " " " 100/1 ... | 2/9 | 24/- |
| 5/- " | " " " 100/2 ... | 5/- | 45/- |
| 8/6 " | " " " 100/3 ... | 8/6 | 66/- |
| 10/- " | " " " 100/4 ... | 10/- | 90/- |
| 3/9 " | " La Reine D'Egypte Perfume | 3/9 | 31/6 |
| 7/- " | " " " | 7/- | 63/- |
| 10/- " | " " " | 10/- | 90/- |
| 5/3 " | " Frisson D'Amour " | 5/3 | 42/- |
| 8/6 " | " " " " | 8/6 | 72/- |
| 3/9 " | " Extasia Perfume ... ... | 3/9 | 31/6 |
| 1/3 | **Galloway's** Cough Syrup ... | 1/3 | 12/- |
| 2/6 | " " " ... | 2/6 | 24/- |
| ½ pint | **Jeyes'** Fluid ... ... ... ... | 11d. | 8/- |
| 1 " | " " ... ... ... ... | 1/4 | 12/6 |
| Quart | " " ... ... ... ... | 2/3 | 20/3 |
| 4 oz. | " Cyllin (medical) ... ... | 1/- | 9/- |
| 12 " | " " " ... ... | 2/6 | 22/- |
| 1/3 | **Kearsley's** Original Widow | 1/3 | 12/- |
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| 6d. | " Electric Kleen Cloth Balls (white only). | 6d. | 48/- " |

Less 5% disc. monthly A/c.

**Daisy Powders, &c.**

Note.—Delete discount note, p 91, May A-C.R.—inserted in error.

# SHUGOW

Sugar Substitute for Jam Making, &c.

*CHEMIST, ATTENTION !*

1 oz. of Shugow equals 1 lb. of Sugar, about 16 times sweeter than Sugar. One pinch sweetens cup of tea, &c.

# SHUGOW

**Good for CAKES, PUDDINGS, ICE CREAM, PASTRY, JAM, &c.**

One teaspoonful equals 2 oz. of Sugar. **8d.** a packet. Try one, you will be delighted. Sells like hot cakes! 3 doz. **22/-**, 6 doz. **42/-**, 1 gross **£4.** Cash with order. Carriage paid.

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**8 and 4 ounce. 6 and 8 ounce.**
**12 ounce.**
**WHITE PHIALS, plain or teaspoons.**
**½ ounce. 1½ ounce.**
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**BLUE LOTION BOTTLES, all sizes.**

**Lowest Market Prices Charged.**

**CORKS. Superior Quality. No advance in price.**
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**Vials ... ... ... 10d. per gross, in 3 gross bags.**

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**COMPOUND.**

We are oversold, and to complete the orders in hand must regretfully decline any new ones

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We will do our best to quickly clear orders in hand.

**MEYER,** Manufacturing Chemists, **Gravelly Hill, BIRMINGHAM.**

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One-pound parcels. White, Absorbent, Interleaved.

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## B.P.

## (BRITISH REFINED.)

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